

US EPA ARCHIVE DOCUMENT

1999 DRAFT Modeled Ambient Concentrations for Vermont: 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 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>
- 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 Vermont

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
Vermont	Statewide	N/A	N/A	Acetaldehyde	3.48E-02	4.29E-02	6.09E-02	1.02E-01	1.70E-01	2.04E-01	4.54E-01	5.96E-01	5.35E-04	1.45E-03	1.51E-01	1.75E-02	0.00E+00
Vermont	Statewide	N/A	N/A	Acrolein	6.22E-03	7.95E-03	1.04E-02	1.60E-02	2.34E-02	2.67E-02	5.26E-02	7.63E-02	6.00E-06	3.61E-03	1.67E-02	3.13E-03	0.00E+00
Vermont	Statewide	N/A	N/A	Acrylonitrile	2.44E-05	3.30E-05	6.38E-05	1.20E-04	2.30E-04	2.62E-04	5.83E-04	7.53E-04	2.62E-06	2.27E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Statewide	N/A	N/A	Arsenic Compounds	7.65E-06	9.11E-06	1.24E-05	2.09E-05	3.92E-05	4.32E-05	1.12E-04	1.35E-04	1.57E-07	1.67E-05	1.81E-05	4.23E-06	0.00E+00
Vermont	Statewide	N/A	N/A	Benzene	6.00E-01	6.12E-01	6.59E-01	7.30E-01	9.09E-01	9.33E-01	1.60E+00	1.94E+00	4.93E-05	1.46E-01	2.32E-01	5.09E-02	4.80E-01
Vermont	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
Vermont	Statewide	N/A	N/A	Beryllium Compounds	1.48E-06	2.00E-06	2.58E-06	4.62E-06	9.48E-06	1.05E-05	2.38E-05	4.05E-05	8.32E-09	9.47E-06	0.00E+00	4.97E-09	0.00E+00
Vermont	Statewide	N/A	N/A	1,3-Butadiene	2.68E-03	2.98E-03	4.22E-03	9.46E-03	2.66E-02	2.57E-02	8.27E-02	1.27E-01	9.98E-08	3.90E-04	2.15E-02	4.71E-03	0.00E+00
Vermont	Statewide	N/A	N/A	Cadmium Compounds	2.92E-06	3.33E-06	4.29E-06	6.59E-06	1.30E-05	1.33E-05	3.00E-05	5.26E-05	1.87E-07	1.28E-05	0.00E+00	4.96E-09	0.00E+00
Vermont	Statewide	N/A	N/A	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.78E-02	4.77E-02	4.91E-02	4.99E-02	5.40E-05	7.31E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	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	7.52E-05	2.28E-04	0.00E+00	0.00E+00	8.80E-01
Vermont	Statewide	N/A	N/A	Chloroform	8.46E-02	8.48E-02	8.57E-02	8.70E-02	9.37E-02	9.29E-02	1.09E-01	1.32E-01	1.81E-04	1.05E-02	0.00E+00	0.00E+00	8.30E-02
Vermont	Statewide	N/A	N/A	Chromium Compounds (includes Hexavalent)	6.04E-06	7.13E-06	1.01E-05	2.01E-05	3.96E-05	5.54E-05	1.10E-04	1.33E-04	5.02E-06	2.03E-05	1.36E-05	6.16E-07	0.00E+00
Vermont	Statewide	N/A	N/A	Chromium VI	2.55E-06	2.97E-06	4.17E-06	7.35E-06	1.52E-05	1.98E-05	3.85E-05	5.14E-05	1.51E-06	8.09E-06	5.45E-06	2.10E-07	0.00E+00
Vermont	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
Vermont	Statewide	N/A	N/A	1,4-Dichlorobenzene	1.84E-03	2.30E-03	2.95E-03	4.79E-03	1.05E-02	1.01E-02	2.70E-02	4.19E-02	2.41E-07	1.05E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	Statewide	N/A	N/A	1,3-Dichloropropene	3.54E-03	4.45E-03	5.79E-03	9.37E-03	2.12E-02	2.04E-02	5.25E-02	8.51E-02	0.00E+00	2.12E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	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	1.46E-09	2.24E-07	0.00E+00	0.00E+00	7.70E-03
Vermont	Statewide	N/A	N/A	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	1.87E-05	2.62E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Statewide	N/A	N/A	Ethylene Oxide	1.34E-05	1.93E-05	3.80E-05	1.10E-04	5.25E-04	2.99E-04	1.42E-03	2.95E-03	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Statewide	N/A	N/A	Formaldehyde	2.89E-01	2.99E-01	3.13E-01	3.53E-01	4.49E-01	4.29E-01	6.93E-01	9.18E-01	5.66E-05	5.15E-03	1.39E-01	3.50E-02	2.50E-01
Vermont	Statewide	N/A	N/A	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	8.54E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	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	9.18E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	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
Vermont	Statewide	N/A	N/A	Hydrazine	1.07E-11	6.80E-11	2.30E-10										

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					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Vermont	All Rural Counties	N/A	R	Cadmium Compounds	2.92E-06	3.33E-06	4.29E-06	6.59E-06	1.30E-05	1.33E-05	3.00E-05	5.26E-05	1.87E-07	1.28E-05	0.00E+00	4.96E-09	0.00E+00
Vermont	All Rural Counties	N/A	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.78E-02	4.77E-02	4.91E-02	4.99E-02	5.40E-05	7.31E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	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	8.81E-01	8.81E-01	7.52E-05	2.28E-04	0.00E+00	0.00E+00	8.80E-01
Vermont	All Rural Counties	N/A	R	Chloroform	8.46E-02	8.48E-02	8.57E-02	8.70E-02	9.37E-02	9.29E-02	1.09E-01	1.32E-01	1.81E-04	1.05E-02	0.00E+00	0.00E+00	8.30E-02
Vermont	All Rural Counties	N/A	R	Chromium Compounds (includes Hexavalent)	6.04E-06	7.13E-06	1.01E-05	2.01E-05	3.96E-05	5.54E-05	1.10E-04	1.33E-04	5.02E-06	2.03E-05	1.36E-05	6.16E-07	0.00E+00
Vermont	All Rural Counties	N/A	R	Chromium VI	2.55E-06	2.97E-06	4.17E-06	7.35E-06	1.52E-05	1.98E-05	3.85E-05	5.14E-05	1.51E-06	8.09E-06	5.45E-06	2.10E-07	0.00E+00
Vermont	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
Vermont	All Rural Counties	N/A	R	1,4-Dichlorobenzene	1.84E-03	2.30E-03	2.95E-03	4.79E-03	1.05E-02	1.01E-02	2.70E-02	4.19E-02	2.41E-07	1.05E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	All Rural Counties	N/A	R	1,3-Dichloropropene	3.54E-03	4.45E-03	5.79E-03	9.37E-03	2.12E-02	2.04E-02	5.25E-02	8.51E-02	0.00E+00	2.12E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	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	1.46E-09	2.24E-07	0.00E+00	0.00E+00	7.70E-03
Vermont	All Rural Counties	N/A	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	1.87E-05	2.62E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	All Rural Counties	N/A	R	Ethylene Oxide	1.34E-05	1.93E-05	3.80E-05	1.10E-04	5.25E-04	2.99E-04	1.42E-03	2.95E-03	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	All Rural Counties	N/A	R	Formaldehyde	2.89E-01	2.99E-01	3.13E-01	3.53E-01	4.29E-01	4.49E-01	6.93E-01	9.18E-01	5.66E-05	5.15E-03	1.39E-01	3.50E-02	2.50E-01
Vermont	All Rural Counties	N/A	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	8.54E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	All Rural Counties	N/A	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	9.18E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	All Rural Counties	N/A	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
Vermont	All Rural Counties	N/A	R	Hydrazine	1.07E-11	6.80E-11	2.30E-10	8.99E-10	1.29E-08	4.87E-09	2.70E-08	1.03E-07	6.01E-10	1.23E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	All Rural Counties	N/A	R	Lead Compounds	3.51E-05	4.51E-05	7.84E-05	1.48E-04	4.67E-04	4.23E-04	1.14E-03	2.07E-03	4.12E-06	9.06E-05	0.00E+00	3.73E-04	0.00E+00
Vermont	All Rural Counties	N/A	R	Manganese Compounds	5.39E-05	7.05E-05	1.17E-04	2.03E-04	2.77E-04	2.90E-04	4.78E-04	6.64E-04	1.48E-05	2.57E-04	4.41E-06	4.59E-07	0.00E+00
Vermont	All Rural Counties	N/A	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.54E-03	1.55E-03	1.61E-03	1.62E-03	3.44E-06	1.46E-05	1.90E-05	3.23E-06	1.50E-03
Vermont	All Rural Counties	N/A	R	Methylene Chloride	1.57E-01	1.58E-01	1.62E-01	1.70E-01	2.05E-01	1.98E-01	3.06E-01	3.93E-01	1.81E-04	5.47E-02	0.00E+00	0.00E+00	1.50E-01
Vermont	All Rural Counties	N/A	R	Nickel Compounds	1.37E-05	1.67E-05	2.91E-05	9.96E-05	2.97E-04	3.58E-04	8.14E-04	1.43E-03	3.18E-06	2.82E-04	1.02E-05	7.93E-07	0.00E+00
Vermont	All Rural Counties	N/A	R	Perchloroethylene	1.42E-01	1.42E-01	1.44E-01	1.47E-01	1.57E-01	1.59E-01	1.99E-01	2.18E-01	2.44E-05	1.73E-02	0.00E+00	0.00E+00	1.40E-01
Vermont	All Rural Counties	N/A	R	Polychlorinated Biphenyls	3.82E-04	3.83E-04	3.84E-04	3.87E-04	3.88E-04	3.90E-04	3.97E-04	4.04E-04	2.77E-11	8.37E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	All Rural Counties	N/A	R	Polycyclic Organic Matter	2.38E-02	2.61E-02	3.26E-02	4.39E-02	5.53E-02	6.53E-02	1.10E-01	1.33E-01	3.53E-07	5.01E-02	4.24E-03	9.87E-04	0.00E+00
Vermont	All Rural Counties	N/A	R	7-PAH	3.69E-04	4.17E-04	5.26E-04	7.22E-04	8.52E-04	9.94E-04	1.57E-03	1.87E-03	3.31E-09	8.04E-04	3.02E-05	1.19E-05	0.00E+00
Vermont	All Rural Counties	N/A	R	Propylene Dichloride	1.27E-06	1.70E-06	3.72E-06	6.28E-06	1.23E-05	1.38E-05	3.05E-05	4.19E-05	2.04E-07	1.21E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	All Rural Counties	N/A	R	Quinoline	4.12E-10	1.77E-09	4.80E-09	1.20E-08	4.44E-08	2.94E-08	9.91E-08	2.93E-07	0.00E+00	4.44E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	9.20E-06	1											

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Vermont	Addison County	50001	R	7-PAH	3.14E-04	3.20E-04	3.51E-04	5.11E-04	5.24E-04	5.52E-04	8.34E-04	9.58E-04	7.90E-12	5.03E-04	1.50E-05	6.44E-06	0.00E+00
Vermont	Addison County	50001	R	Propylene Dichloride	6.86E-07	9.78E-07	1.27E-06	2.86E-06	3.58E-06	3.80E-06	8.81E-06	1.14E-05	0.00E+00	3.58E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Addison County	50001	R	Quinoline	4.31E-09	8.51E-09	1.28E-08	3.43E-08	7.59E-08	7.24E-08	2.61E-07	4.34E-07	0.00E+00	7.59E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	Addison County	50001	R	1,1,2,2-Tetrachloroethane	4.09E-06	4.57E-06	6.95E-06	1.33E-05	2.06E-05	2.39E-05	5.77E-05	9.07E-05	0.00E+00	2.06E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Addison County	50001	R	Trichloroethylene	8.14E-02	8.15E-02	8.18E-02	8.26E-02	8.38E-02	8.39E-02	8.95E-02	8.99E-02	9.35E-06	2.79E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Addison County	50001	R	Vinyl Chloride	2.61E-05	2.71E-05	3.74E-05	6.19E-05	1.01E-04	1.85E-04	2.18E-04	2.36E-04	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Bennington County	50003	R	Acetaldehyde	4.68E-02	5.09E-02	6.50E-02	8.06E-02	1.06E-01	1.14E-01	1.40E-01	3.50E-01	2.07E-05	1.27E-03	9.58E-02	9.36E-03	0.00E+00
Vermont	Bennington County	50003	R	Acrolein	9.64E-03	1.13E-02	1.51E-02	2.35E-02	2.31E-02	2.78E-02	3.02E-02	4.78E-02	1.43E-06	1.01E-02	1.08E-02	2.19E-03	0.00E+00
Vermont	Bennington County	50003	R	Acrylonitrile	8.73E-05	1.34E-04	1.59E-04	1.77E-04	2.33E-04	2.48E-04	2.73E-04	7.58E-04	1.27E-05	2.20E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Bennington County	50003	R	Arsenic Compounds	8.60E-06	9.69E-06	1.25E-05	1.87E-05	2.73E-05	2.85E-05	4.02E-05	1.12E-04	1.16E-07	1.24E-05	1.19E-05	2.82E-06	0.00E+00
Vermont	Bennington County	50003	R	Benzene	5.96E-01	6.25E-01	6.52E-01	6.94E-01	7.78E-01	7.70E-01	9.02E-01	1.60E+00	1.65E-04	1.24E-01	1.42E-01	3.17E-02	4.80E-01
Vermont	Bennington County	50003	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
Vermont	Bennington County	50003	R	Beryllium Compounds	2.04E-06	2.06E-06	2.48E-06	4.64E-06	7.54E-06	7.65E-06	1.38E-05	3.38E-05	4.45E-09	7.52E-06	0.00E+00	1.48E-08	0.00E+00
Vermont	Bennington County	50003	R	1,3-Butadiene	3.44E-03	3.75E-03	5.29E-03	8.10E-03	1.72E-02	1.56E-02	2.18E-02	1.03E-01	0.00E+00	1.57E-03	1.28E-02	2.83E-03	0.00E+00
Vermont	Bennington County	50003	R	Cadmium Compounds	2.96E-06	3.49E-06	4.23E-06	6.54E-06	1.09E-05	1.22E-05	2.04E-05	4.14E-05	1.38E-06	9.50E-06	0.00E+00	1.51E-08	0.00E+00
Vermont	Bennington County	50003	R	Carbon Disulfide	4.71E-02	4.72E-02	4.72E-02	4.73E-02	4.74E-02	4.74E-02	4.76E-02	4.86E-02	4.18E-06	3.84E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	Bennington County	50003	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	6.60E-07	1.31E-04	0.00E+00	0.00E+00	8.80E-01
Vermont	Bennington County	50003	R	Chloroform	8.57E-02	8.57E-02	8.63E-02	8.94E-02	9.27E-02	9.32E-02	1.01E-01	1.24E-01	4.60E-05	9.61E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Bennington County	50003	R	Chromium Compounds (includes Hexavalent)	7.07E-06	7.46E-06	9.67E-06	1.51E-05	3.14E-05	4.92E-05	6.05E-05	1.13E-04	1.10E-05	1.13E-05	8.72E-06	4.36E-07	0.00E+00
Vermont	Bennington County	50003	R	Chromium VI	3.39E-06	3.57E-06	4.22E-06	6.37E-06	9.51E-06	1.02E-05	1.47E-05	3.64E-05	6.79E-07	5.14E-06	3.54E-06	1.48E-07	0.00E+00
Vermont	Bennington County	50003	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
Vermont	Bennington County	50003	R	1,4-Dichlorobenzene	2.41E-03	2.46E-03	3.24E-03	5.28E-03	7.79E-03	8.49E-03	1.38E-02	3.02E-02	1.17E-06	7.79E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Bennington County	50003	R	1,3-Dichloropropene	4.56E-03	4.69E-03	6.08E-03	1.02E-02	1.53E-02	1.66E-02	2.74E-02	6.11E-02	0.00E+00	1.53E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	Bennington County	50003	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	7.12E-09	6.75E-07	0.00E+00	0.00E+00	7.70E-03
Vermont	Bennington County	50003	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	4.70E-05	3.00E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Bennington County	50003	R	Ethylene Oxide	4.33E-05	4.59E-05	1.37E-04	2.01E-04	3.50E-04	2.95E-04	1.01E-03	1.42E-03	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Bennington County	50003	R	Formaldehyde	3.03E-01	3.03E-01	3.17E-01	3.36E-01	3.68E-01	3.68E-01	4.04E-01	6.93E-01	1.84E-05	7.13E-03	8.97E-02	2.13E-02	2

DRAFT FOR REVIEW ONLY Estimated Annual Average Ambient Concentrations µg/m3 for Vermont																	
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
Vermont	Essex County	50009	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
Vermont	Essex County	50009	R	Beryllium Compounds	6.23E-07	6.23E-07	1.05E-06	1.82E-06	1.65E-06	2.25E-06	2.34E-06	2.34E-06	7.40E-08	1.58E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	1,3-Butadiene	2.17E-03	2.17E-03	2.52E-03	3.33E-03	3.81E-03	5.11E-03	6.42E-03	6.42E-03	3.67E-06	2.09E-04	1.68E-03	1.92E-03	0.00E+00
Vermont	Essex County	50009	R	Cadmium Compounds	1.35E-06	1.35E-06	2.13E-06	3.59E-06	3.21E-06	4.28E-06	4.29E-06	4.29E-06	4.35E-07	2.77E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.74E-02	4.78E-02	4.84E-02	4.84E-02	3.34E-04	8.96E-05	0.00E+00	0.00E+00	4.70E-02
Vermont	Essex County	50009	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.82E-01	8.82E-01	4.84E-04	3.21E-05	0.00E+00	0.00E+00	8.80E-01
Vermont	Essex County	50009	R	Chloroform	8.38E-02	8.38E-02	8.51E-02	8.65E-02	9.10E-02	9.68E-02	1.07E-01	1.07E-01	5.49E-03	2.46E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Essex County	50009	R	Chromium Compounds (includes Hexavalent)	3.47E-06	3.47E-06	6.18E-06	9.54E-06	9.12E-06	1.21E-05	1.39E-05	1.39E-05	1.12E-06	5.72E-06	2.06E-06	2.19E-07	0.00E+00
Vermont	Essex County	50009	R	Chromium VI	1.43E-06	1.43E-06	2.24E-06	3.33E-06	3.08E-06	3.93E-06	4.26E-06	4.26E-06	3.90E-07	1.77E-06	8.47E-07	7.44E-08	0.00E+00
Vermont	Essex County	50009	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
Vermont	Essex County	50009	R	1,4-Dichlorobenzene	5.33E-04	5.33E-04	9.72E-04	1.74E-03	1.65E-03	2.32E-03	2.59E-03	2.59E-03	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	1,3-Dichloropropene	1.10E-03	1.10E-03	2.07E-03	3.54E-03	3.42E-03	4.78E-03	5.51E-03	5.51E-03	0.00E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	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	5.09E-08	0.00E+00	0.00E+00	7.70E-03
Vermont	Essex County	50009	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	4.27E-05	1.10E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Essex County	50009	R	Ethylene Oxide	2.44E-05	2.44E-05	3.04E-05	6.71E-05	7.69E-05	1.23E-04	1.49E-04	1.49E-04	0.00E+00	7.69E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	Formaldehyde	2.72E-01	2.72E-01	2.84E-01	2.96E-01	2.99E-01	3.14E-01	3.31E-01	3.31E-01	6.94E-04	3.52E-03	2.53E-02	1.94E-02	2.50E-01
Vermont	Essex County	50009	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	3.25E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	Essex County	50009	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	1.07E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	Essex County	50009	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
Vermont	Essex County	50009	R	Hydrazine	4.40E-12	4.40E-12	2.24E-11	1.27E-10	1.30E-10	2.38E-10	2.61E-10	2.61E-10	0.00E+00	1.30E-10	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	Lead Compounds	2.93E-05	2.93E-05	3.72E-05	5.92E-05	5.76E-05	7.80E-05	8.26E-05	8.26E-05	2.04E-05	1.81E-05	0.00E+00	1.91E-05	0.00E+00
Vermont	Essex County	50009	R	Manganese Compounds	7.90E-05	7.90E-05	8.51E-05	2.95E-04	3.11E-04	5.37E-04	5.75E-04	5.75E-04	7.08E-06	3.03E-04	5.79E-07	1.12E-07	0.00E+00
Vermont	Essex County	50009	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	3.42E-07	2.83E-06	3.90E-06	5.52E-07	1.50E-03
Vermont	Essex County	50009	R	Methylene Chloride	1.52E-01	1.52E-01	1.54E-01	1.57E-01	1.57E-01	1.59E-01	1.60E-01	1.60E-01	4.37E-05	6.58E-03	0.00E+00	0.00E+00	1.50E-01
Vermont	Essex County	50009	R	Nickel Compounds	1.03E-04	1.03E-04	1.11E-04	2.27E-04	2.44E-04	3.77E-04	4.19E-04	4.19E-04	6.53E-06	2.36E-04	1.50E-06	2.02E-07	0.00E+00
Vermont	Essex County	50009	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.17E-04	1.46E-03	0.00E+00	0.00E+00	1.40E-01
Vermont	Essex County	50009	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.82E-04	3.83E-04	3.83E-04	3.84E-04	3.85E-04	3.85E-04	0.00E+00	2.96E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	Essex County	50009	R	Polycyclic Organic Matter	5.83E-03	5.83E-03	9.71E-03	1.79E-02	1.74E-02	2.52E-02	2.80E-02	2.80E-02	1.07E-08	1.67E-02	6.36E-04	1.27E-04	0.00E+00
Vermont	Essex County	50009	R	7-PAH	1.34E-04	1.34E-04	1.94E-04	2.89E-04	3.08E-04	4.23E-04	5.21E-04	5.21E-04	1.07E-08	2.96E-04	5.00E-06	7.36E-06	0.00E+00
Vermont	Essex County	50009	R	Propylene Dichloride	4.58E-06	4.58E-06	4.63E-06	4.82E-06	5.39E-06	6.15E-06	7.35E-06	7.35E-06	0.00E+00	5.39E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	Quinoline	1.11E-10	1.11E-10	8.15E-10	2.99E-09	3.37E-09	5.92E-09	7.38E-09	7.38E-09	0.00E+00	3.37E-09	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	1,1,2,2-Tetrachloroethane	3.90E-05	3.90E-05	4.06E-05	4.22E-05	4.70E-05	5.35E-05	6.48E-05	6.48E-05	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Essex County	50009	R	Trichloroethylene	8.15E-02	8.15E-02	8.18E-02	8.25E-02	8.25E-02	8.32E-02	8.35E-02	8.35E-02	9.43E-05	1.43E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Essex County	50009	R	Vinyl Chloride	9.63E-05	9.63E-05	1.00E-04	1.04E-04	1.16E-04	1.32E-04	1.60E-04	1.60E-04	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	Acetaldehyde	2.61E-02	2.90E-02	6.30E-02	1.23E-01	1.40E-01	2.16E-01	2.53E-01	2.79E-01	0.00E+00	3.92E-03	1.21E-01	1.50E-02	0.00E+00
Vermont	Franklin County	50011	R	Acrolein	4.73E-03	4.87E-03	8.65E-03	1.45E-02	1.62E-02	2.47E-02	2.93E-02	3.18E-02	0.00E+00	2.52E-03	1.11E-02	2.63E-03	0.00E+00
Vermont	Franklin County	50011	R	Acrylonitrile	1.16E-05	1.74E-05	2.81E-05	3.63E-05	8.18E-05	9.70E-05	2.34E-04	3.11E-04	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	Arsenic Compounds	7.54E-06	8.21E-06	1.03E-05	1.86E-05	2.64E-05	3.15E-05	6.47E-05	7.23E-05	0.00E+00	1.08E-05	1.18E-05	3.86E-06	0.00E+00
Vermont	Franklin County	50011	R	Benzene	5.97E-01	6.00E-01	6.26E-01	6.79E-01	7.46E-01	8.18E-01	1.03E+00	1.10E+00	0.00E+00	9.02E-02	1.36E-01	4.06E-02	4.80E-01
Vermont	Franklin County	50011	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
Vermont	Franklin County	50011	R	Beryllium Compounds	2.14E-06	2.18E-06	2.44E-06	3.78E-06	6.18E-06	5.64E-06	1.70E-05	1.81E-05	0.00E+00	6.18E-06	0.00E+00	1.79E-09	0.00E+00
Vermont	Franklin County	50011	R	1,3-Butadiene	2.73E-03	2.80E-03	3.21E-03	9.03E-03	1.44E-02	1.61E-02	4.13E-02	4.53E-02	0.00E+00	2.81E-04	1.13E-02	2.83E-03	0.00E+00
Vermont	Franklin County	50011	R	Cadmium Compounds	3.16E-06	3.33E-06	3.55E-06	5.25E-06	7.96E-06	7.64E-06	2.04E-05	2.21E-05	0.00E+00	7.96E-06	0.00E+00	1.77E-09	0.00E+00
Vermont	Franklin County	50011	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.75E-02	4.73E-02	4.90E-02	4.99E-02	0.00E+00	5.18E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	Franklin County	50011	R	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	0.00E+00	1.85E-04	0.00E+00	0.00E+00	8.80E-01
Vermont	Franklin County	50011	R	Chloroform	8.43E-02	8.44E-02	8.45E-02	8.58E-02	8.79E-02	8.81E-02	9.67E-02	9.84E-02	0.00E+00	4.85E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Franklin County	50011	R	Chromium Compounds (includes Hexavalent)	5.39E-06	5.72E-06	8.61E-06	1.63E-05	3.01E-05	2.47E-05	9.38E-05	1.43E-04	0.00E+00	2.15E-05	8.23E-06	4.18E-07	0.00E+00
Vermont	Franklin County	50011	R	Chromium VI	2.47E-06	2.54E-06	3.72E-06	6.93E-06	1.82E-05	1.18E-05	6.65E-05	1.13E-04	0.00E+00	1.48E-05	3.29E-06	1.42E-07	0.00E+00
Vermont	Franklin County	50011	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
Vermont	Franklin County	50011	R	1,4-Dichlorobenzene	2.16E-03	2.26E-03	2.48E-03	3.74E-03	3.70E-03	2.47E-02	2.37E-02	2.47E-02	0.00E+00	7.60E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	1,3-Dichloropropene	4.18E-03	4.37E-03	4.88E-03	7.29E-03	1.52E-02	1.13E-02	4.81E-02	4.98E-02	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	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	9.69E-08	0.00E+00	0.00E+00	7.70E-03
Vermont	Franklin County	50011	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	1.42E-06	2.20E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Franklin County	50011	R	Ethylene Oxide	6.75E-06	1.29E-05	3.15E-05	6.38E-05	1.75E-04	1.07E-04	6.71E-04	7.69E-04	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	Formaldehyde	2.82E-01	2.84E-01	3.11E-01	3.57E-01	3.84E-01	4.59E-01	5.11E-01	5.18E-01	0.00E+00	2.40E-03	1.03E-01	2.89E-02	2.50E-01
Vermont	Franklin County	50011	R	Hexachlorobenzene	9.30E-05</												

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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
Vermont	Franklin County	50011	R	Perchloroethylene	1.42E-01	1.42E-01	1.42E-01	1.45E-01	1.49E-01	1.51E-01	1.64E-01	1.67E-01	0.00E+00	8.67E-03	0.00E+00	0.00E+00	1.40E-01
Vermont	Franklin County	50011	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.84E-04	3.84E-04	3.86E-04	3.86E-04	3.91E-04	3.91E-04	0.00E+00	5.50E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	Franklin County	50011	R	Polycyclic Organic Matter	2.26E-02	2.28E-02	2.61E-02	2.91E-02	3.45E-02	4.31E-02	5.60E-02	5.96E-02	0.00E+00	3.14E-02	2.58E-03	5.51E-04	0.00E+00
Vermont	Franklin County	50011	R	7-PAH	4.04E-04	4.16E-04	4.54E-04	5.26E-04	5.88E-04	6.99E-04	9.00E-04	9.94E-04	0.00E+00	5.59E-04	1.88E-05	9.93E-06	0.00E+00
Vermont	Franklin County	50011	R	Propylene Dichloride	5.44E-07	8.65E-07	1.50E-06	1.74E-06	3.54E-06	5.42E-06	8.64E-06	1.09E-05	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	Quinoline	2.61E-13	2.06E-10	3.69E-09	8.61E-09	8.34E-09	1.16E-08	1.75E-08	2.12E-08	0.00E+00	8.34E-09	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	1,1,2,2-Tetrachloroethane	3.33E-06	6.09E-06	1.05E-05	1.37E-05	2.01E-05	3.16E-05	3.84E-05	4.48E-05	0.00E+00	2.01E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Franklin County	50011	R	Trichloroethylene	8.16E-02	8.17E-02	8.18E-02	8.24E-02	8.57E-02	8.36E-02	9.93E-02	1.06E-01	0.00E+00	4.69E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Franklin County	50011	R	Vinyl Chloride	9.60E-06	1.57E-05	3.09E-05	5.56E-05	8.30E-05	1.47E-04	1.69E-04	1.88E-04	0.00E+00	8.30E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	Acetaldehyde	1.01E-01	1.01E-01	1.01E-01	1.25E-01	1.25E-01	1.49E-01	1.49E-01	1.49E-01	0.00E+00	1.85E-03	9.43E-02	2.86E-02	0.00E+00
Vermont	Grand Isle County	50013	R	Acrolein	1.88E-02	1.88E-02	1.88E-02	2.16E-02	2.16E-02	2.44E-02	2.44E-02	2.44E-02	0.00E+00	4.55E-03	1.08E-02	6.21E-03	0.00E+00
Vermont	Grand Isle County	50013	R	Acrylonitrile	5.69E-05	5.69E-05	5.69E-05	7.94E-05	7.94E-05	1.02E-04	1.02E-04	1.02E-04	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	Arsenic Compounds	1.24E-05	1.24E-05	1.24E-05	1.50E-05	1.50E-05	1.75E-05	1.75E-05	1.75E-05	0.00E+00	4.73E-06	7.62E-06	2.62E-06	0.00E+00
Vermont	Grand Isle County	50013	R	Benzene	7.19E-01	7.19E-01	7.19E-01	7.49E-01	7.49E-01	7.79E-01	7.79E-01	7.79E-01	0.00E+00	7.77E-02	8.55E-02	1.06E-01	4.80E-01
Vermont	Grand Isle County	50013	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
Vermont	Grand Isle County	50013	R	Beryllium Compounds	2.37E-06	2.37E-06	2.37E-06	3.05E-06	3.05E-06	3.73E-06	3.73E-06	3.73E-06	0.00E+00	3.04E-06	0.00E+00	8.56E-09	0.00E+00
Vermont	Grand Isle County	50013	R	1,3-Butadiene	1.17E-02	1.17E-02	1.17E-02	1.19E-02	1.19E-02	1.22E-02	1.22E-02	1.22E-02	0.00E+00	1.46E-03	3.24E-03	7.23E-03	0.00E+00
Vermont	Grand Isle County	50013	R	Cadmium Compounds	3.42E-06	3.42E-06	3.42E-06	4.43E-06	4.43E-06	5.44E-06	5.44E-06	5.44E-06	0.00E+00	4.42E-06	0.00E+00	8.51E-09	0.00E+00
Vermont	Grand Isle County	50013	R	Carbon Disulfide	4.72E-02	4.72E-02	4.72E-02	4.73E-02	4.73E-02	4.73E-02	4.73E-02	4.73E-02	0.00E+00	2.58E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	Grand Isle County	50013	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	9.22E-05	0.00E+00	0.00E+00	8.80E-01
Vermont	Grand Isle County	50013	R	Chloroform	8.59E-02	8.59E-02	8.59E-02	8.70E-02	8.70E-02	8.81E-02	8.81E-02	8.81E-02	0.00E+00	4.00E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Grand Isle County	50013	R	Chromium Compounds (includes Hexavalent)	9.54E-06	9.54E-06	9.54E-06	1.19E-05	1.19E-05	1.43E-05	1.43E-05	1.43E-05	0.00E+00	5.56E-06	5.40E-06	9.83E-07	0.00E+00
Vermont	Grand Isle County	50013	R	Chromium VI	3.68E-06	3.68E-06	3.68E-06	4.48E-06	4.48E-06	5.29E-06	5.29E-06	5.29E-06	0.00E+00	1.97E-06	2.18E-06	3.34E-07	0.00E+00
Vermont	Grand Isle County	50013	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
Vermont	Grand Isle County	50013	R	1,4-Dichlorobenzene	2.52E-03	2.52E-03	2.52E-03	3.16E-03	3.16E-03	3.80E-03	3.80E-03	3.80E-03	0.00E+00	3.16E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	1,3-Dichloropropene	4.80E-03	4.80E-03	4.80E-03	6.05E-03	6.05E-03	7.30E-03	7.30E-03	7.30E-03	0.00E+00	6.05E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	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-07	0.00E+00	0.00E+00	7.70E-03
Vermont	Grand Isle County	50013	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	0.00E+00	6.92E-06	8.69E-05	0.00E+00	6.10E-02
Vermont	Grand Isle County	50013	R	Ethylene Oxide	5.45E-05	5.45E-05	5.45E-05	7.23E-05	7.23E-05	9.01E-05	9.01E-05	9.01E-05	0.00E+00	7.23E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	Formaldehyde	3.68E-01	3.68E-01	3.68E-01	3.82E-01	3.82E-01	3.96E-01	3.96E-01	3.96E-01	0.00E+00	1.35E-03	7.37E-02	5.69E-02	2.50E-01
Vermont	Grand Isle County	50013	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	7.00E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	Grand Isle County	50013	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	2.74E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	Grand Isle County	50013	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
Vermont	Grand Isle County	50013	R	Hydrazine	1.03E-09	1.03E-09	1.03E-09	2.08E-09	2.08E-09	3.14E-09	3.14E-09	3.14E-09	0.00E+00	2.08E-09	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	Lead Compounds	1.56E-04	1.56E-04	1.56E-04	1.70E-04	1.70E-04	1.84E-04	1.84E-04	1.84E-04	0.00E+00	2.91E-05	0.00E+00	1.41E-04	0.00E+00
Vermont	Grand Isle County	50013	R	Manganese Compounds	4.45E-05	4.45E-05	4.45E-05	7.80E-05	7.80E-05	1.11E-04	1.11E-04	1.11E-04	0.00E+00	7.60E-05	1.57E-06	4.38E-07	0.00E+00
Vermont	Grand Isle County	50013	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	0.00E+00	4.53E-06	8.37E-06	1.66E-06	1.50E-03
Vermont	Grand Isle County	50013	R	Methylene Chloride	1.68E-01	1.68E-01	1.68E-01	1.73E-01	1.73E-01	1.79E-01	1.79E-01	1.79E-01	0.00E+00	5.98E-03	1.74E-02	0.00E+00	1.50E-01
Vermont	Grand Isle County	50013	R	Nickel Compounds	1.81E-05	1.81E-05	1.81E-05	2.50E-05	2.50E-05	3.20E-05	3.20E-05	3.20E-05	0.00E+00	2.02E-05	4.02E-06	8.23E-07	0.00E+00
Vermont	Grand Isle County	50013	R	Perchloroethylene	1.43E-01	1.43E-01	1.43E-01	1.44E-01	1.44E-01	1.46E-01	1.46E-01	1.46E-01	0.00E+00	4.29E-03	0.00E+00	0.00E+00	1.40E-01
Vermont	Grand Isle County	50013	R	Polychlorinated Biphenyls	3.86E-04	3.86E-04	3.86E-04	3.87E-04	3.87E-04	3.87E-04	3.87E-04	3.87E-04	0.00E+00	6.76E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	Grand Isle County	50013	R	Polycyclic Organic Matter	2.48E-02	2.48E-02	2.48E-02	3.11E-02	3.11E-02	3.74E-02	3.74E-02	3.74E-02	0.00E+00	2.87E-02	1.69E-03	7.35E-04	0.00E+00
Vermont	Grand Isle County	50013	R	7-PAH	4.31E-04	4.31E-04	4.31E-04	5.23E-04	5.23E-04	6.15E-04	6.15E-04	6.15E-04	0.00E+00	4.79E-04	1.24E-05	3.24E-05	0.00E+00
Vermont	Grand Isle County	50013	R	Propylene Dichloride	2.79E-06	2.79E-06	2.79E-06	3.94E-06	3.94E-06	5.08E-06	5.08E-06	5.08E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	Quinoline	2.18E-08	2.18E-08	2.18E-08	2.45E-08	2.45E-08	2.72E-08	2.72E-08	2.72E-08	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	1,1,2,2-Tetrachloroethane	1.98E-05	1.98E-05	1.98E-05	2.99E-05	2.99E-05	3.99E-05	3.99E-05	3.99E-05	0.00E+00	2.99E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Grand Isle County	50013	R	Trichloroethylene	8.19E-02	8.19E-02	8.19E-02	8.22E-02	8.22E-02	8.25E-02	8.25E-02	8.25E-02	0.00E+00	1.21E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Grand Isle County	50013	R	Vinyl Chloride	1.56E-04	1.56E-04	1.56E-04	2.19E-04	2.19E-04	2.83E-04	2.83E-04	2.83E-04	0.00E+00	2.19E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	Acetaldehyde	5.14E-02	5.14E-02	5.85E-02	6.97E-02	7.08E-02	8.52E-02	9.67E-02	9.67E-02	0.00E+00	6.57E-04	6.39E-02	6.23E-03	0.00E+00
Vermont	Lamoille County	50015	R	Acrolein	8.57E-03	8.57E-03	8.68E-03	1.03E-02	1.07E-02	1.27E-02	1.36E-02	1.36E-02	0.00E+00	1.02E-03	8.04E-03	1.62E-03	0.00E+00
Vermont	Lamoille County	50015	R	Acrylonitrile	3.96E-05	3.96E-05	4.33E-05	6.91E-05	1.04E-04	8.86E-05	3.41E-04	3.41E-04	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	Arsenic Compounds	9.13E-06	9.13E-06	9.81E-06	1.22E-05	1.28E-05	1.58E-05	1.78E-05	1.78E-05	0.00E+00	5.46E-06	6.03E-06	1.35E-06	0.00E+00
Vermont	Lamoille County	50015	R	Benzene	6.33E-01	6.33E-01	6.48E-01	6.58E-01	6.71E-01	7.09E-01	7.33E-01	7.33E-01	0.00E+00	1.03E-01	6.84E-02	1.88E-02	4.80E-01
Vermont	Lamoille County	50015	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
Vermont	Lamoille County	50015	R	Beryllium Compounds	2.25E-06	2.25E-06	2.39E-06	3.16E-06	3.38E-06	4.73E-06	4.98E-06	4.98E-06	0.00E+00	3.38E-06	0.00E+00	5.22E-12	0.00E+00
Vermont	Lamoille County	50015	R	1,3-Butadiene	3.19E-03	3.19E-03											

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

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
Vermont	Lamoille County	50015	R	1,3-Dichloropropene	5.11E-03	5.11E-03	5.16E-03	7.50E-03	7.22E-03	9.41E-03	1.01E-02	1.01E-02	0.00E+00	7.22E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	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	5.43E-08	0.00E+00	0.00E+00	7.70E-03
Vermont	Lamoille County	50015	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	1.16E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Lamoille County	50015	R	Ethylene Oxide	6.66E-06	6.66E-06	9.59E-06	1.38E-05	1.40E-05	1.75E-05	2.08E-05	2.08E-05	0.00E+00	1.40E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	Formaldehyde	3.05E-01	3.05E-01	3.12E-01	3.18E-01	3.22E-01	3.40E-01	3.45E-01	3.45E-01	0.00E+00	2.53E-03	5.41E-02	1.59E-02	2.50E-01
Vermont	Lamoille County	50015	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	4.57E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	Lamoille County	50015	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	2.17E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	Lamoille County	50015	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
Vermont	Lamoille County	50015	R	Hydrazine	6.39E-11	6.39E-11	6.80E-11	7.43E-11	8.84E-11	9.77E-11	1.61E-10	1.61E-10	0.00E+00	8.84E-11	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	Lead Compounds	7.84E-05	7.84E-05	9.43E-05	1.19E-04	1.80E-04	2.67E-04	4.68E-04	4.68E-04	0.00E+00	5.17E-05	0.00E+00	1.29E-04	0.00E+00
Vermont	Lamoille County	50015	R	Manganese Compounds	5.63E-05	5.63E-05	6.50E-05	7.91E-05	9.63E-05	9.67E-05	2.25E-04	2.25E-04	0.00E+00	9.49E-05	1.23E-06	1.50E-07	0.00E+00
Vermont	Lamoille County	50015	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	0.00E+00	5.19E-06	6.91E-06	1.04E-06	1.50E-03
Vermont	Lamoille County	50015	R	Methylene Chloride	1.58E-01	1.58E-01	1.59E-01	1.66E-01	1.64E-01	1.67E-01	1.73E-01	1.73E-01	0.00E+00	1.42E-02	0.00E+00	0.00E+00	1.50E-01
Vermont	Lamoille County	50015	R	Nickel Compounds	1.31E-05	1.31E-05	1.38E-05	1.80E-05	2.00E-05	2.49E-05	3.33E-05	3.33E-05	0.00E+00	1.69E-05	2.91E-06	2.51E-07	0.00E+00
Vermont	Lamoille County	50015	R	Perchloroethylene	1.42E-01	1.42E-01	1.44E-01	1.45E-01	1.47E-01	1.54E-01	1.56E-01	1.56E-01	0.00E+00	7.31E-03	0.00E+00	0.00E+00	1.40E-01
Vermont	Lamoille County	50015	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.83E-04	3.84E-04	3.84E-04	3.85E-04	3.86E-04	3.86E-04	0.00E+00	3.84E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	Lamoille County	50015	R	Polycyclic Organic Matter	2.47E-02	2.47E-02	2.80E-02	3.35E-02	3.49E-02	4.52E-02	4.65E-02	4.65E-02	0.00E+00	3.34E-02	1.22E-03	2.55E-04	0.00E+00
Vermont	Lamoille County	50015	R	7-PAH	4.16E-04	4.16E-04	4.30E-04	5.12E-04	5.30E-04	6.61E-04	7.07E-04	7.07E-04	0.00E+00	5.16E-04	9.43E-06	4.61E-06	0.00E+00
Vermont	Lamoille County	50015	R	Propylene Dichloride	2.18E-06	2.18E-06	2.24E-06	3.72E-06	5.95E-06	4.91E-06	2.03E-05	2.03E-05	0.00E+00	5.95E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	Quinoline	1.61E-09	1.61E-09	1.77E-09	1.93E-09	2.10E-09	3.28E-09	3.28E-09	3.28E-09	0.00E+00	2.10E-09	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	1,1,2,2-Tetrachloroethane	1.67E-05	1.67E-05	1.77E-05	3.11E-05	5.11E-05	4.28E-05	1.83E-04	1.83E-04	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Lamoille County	50015	R	Trichloroethylene	8.22E-02	8.22E-02	8.22E-02	8.29E-02	8.29E-02	8.34E-02	8.47E-02	8.47E-02	0.00E+00	1.95E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Lamoille County	50015	R	Vinyl Chloride	4.14E-05	4.14E-05	4.36E-05	7.68E-05	1.26E-04	1.05E-04	4.52E-04	4.52E-04	0.00E+00	1.26E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	Acetaldehyde	5.88E-02	5.88E-02	6.53E-02	8.11E-02	8.54E-02	1.02E-01	1.16E-01	1.16E-01	0.00E+00	5.24E-04	8.15E-02	3.41E-03	0.00E+00
Vermont	Orange County	50017	R	Acrolein	1.07E-02	1.07E-02	1.10E-02	1.19E-02	1.28E-02	1.40E-02	1.68E-02	1.68E-02	0.00E+00	1.20E-03	1.01E-02	1.50E-03	0.00E+00
Vermont	Orange County	50017	R	Acrylonitrile	4.51E-05	4.51E-05	8.13E-05	1.47E-04	1.95E-04	2.04E-04	6.66E-04	6.66E-04	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	Arsenic Compounds	1.27E-05	1.27E-05	1.52E-05	2.09E-05	2.04E-05	2.10E-05	3.27E-05	3.27E-05	0.00E+00	8.99E-06	1.01E-05	1.28E-06	0.00E+00
Vermont	Orange County	50017	R	Benzene	6.52E-01	6.52E-01	6.59E-01	6.77E-01	6.90E-01	7.21E-01	7.74E-01	7.74E-01	0.00E+00	9.19E-02	9.98E-02	1.82E-02	4.80E-01
Vermont	Orange County	50017	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
Vermont	Orange County	50017	R	Beryllium Compounds	2.51E-06	2.51E-06	3.03E-06	3.81E-06	3.83E-06	3.92E-06	6.47E-06	6.47E-06	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	1,3-Butadiene	2.79E-03	2.79E-03	6.02E-03	8.46E-03	7.68E-03	9.13E-03	1.41E-02	1.41E-02	0.00E+00	1.31E-04	6.47E-03	1.08E-03	0.00E+00
Vermont	Orange County	50017	R	Cadmium Compounds	3.80E-06	3.80E-06	4.70E-06	5.57E-06	5.89E-06	5.93E-06	8.95E-06	8.95E-06	0.00E+00	5.89E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.73E-02	4.73E-02	4.75E-02	4.75E-02	0.00E+00	2.64E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	Orange County	50017	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	1.03E-04	0.00E+00	0.00E+00	8.80E-01
Vermont	Orange County	50017	R	Chloroform	8.48E-02	8.48E-02	8.54E-02	8.58E-02	8.59E-02	8.62E-02	8.66E-02	8.66E-02	0.00E+00	2.94E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Orange County	50017	R	Chromium Compounds (includes Hexavalent)	1.01E-05	1.01E-05	1.17E-05	1.61E-05	1.70E-05	1.79E-05	3.00E-05	3.00E-05	0.00E+00	1.07E-05	6.14E-06	1.71E-07	0.00E+00
Vermont	Orange County	50017	R	Chromium VI	4.46E-06	4.46E-06	5.22E-06	7.04E-06	7.69E-06	8.30E-06	1.43E-05	1.43E-05	0.00E+00	5.20E-06	2.43E-06	5.81E-08	0.00E+00
Vermont	Orange County	50017	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
Vermont	Orange County	50017	R	1,4-Dichlorobenzene	2.60E-03	2.60E-03	3.36E-03	3.60E-03	3.94E-03	4.31E-03	5.67E-03	5.67E-03	0.00E+00	3.94E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	1,3-Dichloropropene	5.31E-03	5.31E-03	6.73E-03	7.82E-03	8.18E-03	8.56E-03	1.30E-02	1.30E-02	0.00E+00	8.18E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	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	1.01E-07	0.00E+00	0.00E+00	7.70E-03
Vermont	Orange County	50017	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	0.00E+00	2.17E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Orange County	50017	R	Ethylene Oxide	5.00E-05	5.00E-05	1.10E-04	1.80E-04	2.08E-04	2.58E-04	5.70E-04	5.70E-04	0.00E+00	2.08E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	Formaldehyde	3.08E-01	3.08E-01	3.15E-01	3.34E-01	3.35E-01	3.47E-01	3.64E-01	3.64E-01	0.00E+00	3.30E-03	7.16E-02	1.01E-02	2.50E-01
Vermont	Orange County	50017	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	8.41E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	Orange County	50017	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	3.70E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	Orange County	50017	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
Vermont	Orange County	50017	R	Hydrazine	8.62E-12	8.62E-12	3.38E-11	4.22E-11	7.45E-11	8.59E-11	2.04E-10	2.04E-10	0.00E+00	7.45E-11	0.00E+00	0.00E+00	0.00E+00
Vermont	Orange County	50017	R	Lead Compounds	4.26E-05	4.26E-05	1.04E-04	1.27E-04	1.57E-04	2.43E-04	2.98E-04	2.98E-04	0.00E+00	3.66E-05	0.00E+00	1.21E-04	0.00E+00
Vermont	Orange County	50017	R	Manganese Compounds	2.06E-04	2.06E-04	2.70E-04	3.97E-04	4.94E-04	5.82E-04	1.21E-03	1.21E-03	0.00E+00	4.92E-04	1.94E-06	1.35E-07	0.00E+00
Vermont	Orange County	50017	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	0.00E+00	6.44E-06	1.19E-05	1.01E-06	1.50E-03
Vermont	Orange County	50017	R	Methylene Chloride	1.61E-01	1.61E-01	1.62E-01	1.66E-01	1.67E-01	1.71E-01	1.77E-01	1.77E-01	0.00E+00	1.74E-02	0.00E+00	0.00E+00	1.50E-01
Vermont	Orange County	50017	R	Nickel Compounds	5.43E-05	5.43E-05	1.38E-04	4.64E-04	7.00E-04	7.12E-04	2.60E-03	2.60E-03	0.00E+00	6.95E-04	4.64E-06	2.18E-07	0.00E+00
Vermont	Orange County	50017	R	Perchloroethylene	1.43E-01	1.43E-01	1.44E-01	1.46E-01	1.47E-01	1.48E-01	1.53E-01	1.53E-01	0.00E+00	6.73E-03	0.00E+00	0.00E+00	1.40E-01
Vermont	Orange County	50017	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.86E-04	3.87E-04	3.88E-04	3.90E-04	4.00E-04	4.00E-04	0.00E+00	8.23E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	Orange County	50017	R	Polycyclic Organic Matter	2.45E-02	2.45E-02	3.17E-02	3.29E-02	3.47E-02	3.85E-02	4.78E-02	4.78E-02	0.00E+00	3.26E-02	1.88E-03	2.10	

DRAFT FOR REVIEW ONLY																	
Estimated Annual Average Ambient Concentrations µg/m3 for Vermont																	
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
Vermont	Orleans County	50019	R	Acrylonitrile	1.67E-05	1.83E-05	3.25E-05	6.65E-05	9.57E-05	1.05E-04	2.58E-04	3.85E-04	0.00E+00	9.57E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	Arsenic Compounds	5.78E-06	5.83E-06	6.38E-06	1.43E-05	1.67E-05	2.87E-05	3.24E-05	3.58E-05	0.00E+00	6.36E-06	8.03E-06	2.31E-06	0.00E+00
Vermont	Orleans County	50019	R	Benzene	6.00E-01	6.03E-01	6.09E-01	6.87E-01	7.14E-01	8.30E-01	8.65E-01	8.92E-01	0.00E+00	1.23E-01	8.88E-02	2.17E-02	4.80E-01
Vermont	Orleans County	50019	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
Vermont	Orleans County	50019	R	Beryllium Compounds	1.31E-06	1.32E-06	1.42E-06	2.79E-06	3.96E-06	5.95E-06	9.63E-06	9.89E-06	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	1,3-Butadiene	2.05E-03	2.16E-03	2.71E-03	6.26E-03	9.22E-03	1.68E-02	2.00E-02	2.29E-02	0.00E+00	1.20E-04	7.51E-03	1.59E-03	0.00E+00
Vermont	Orleans County	50019	R	Cadmium Compounds	2.29E-06	2.30E-06	2.39E-06	4.12E-06	5.48E-06	8.13E-06	1.21E-05	1.22E-05	0.00E+00	5.48E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	Carbon Disulfide	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.74E-02	4.75E-02	4.84E-02	4.91E-02	0.00E+00	4.07E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	Orleans County	50019	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	8.84E-05	0.00E+00	0.00E+00	8.80E-01
Vermont	Orleans County	50019	R	Chloroform	8.46E-02	8.46E-02	8.47E-02	8.60E-02	8.66E-02	8.81E-02	9.05E-02	9.07E-02	0.00E+00	3.62E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Orleans County	50019	R	Chromium Compounds (includes Hexavalent)	3.38E-06	3.68E-06	4.11E-06	1.10E-05	1.37E-05	2.27E-05	2.80E-05	2.95E-05	0.00E+00	8.42E-06	5.03E-06	2.03E-07	0.00E+00
Vermont	Orleans County	50019	R	Chromium VI	1.33E-06	1.45E-06	1.66E-06	4.24E-06	5.21E-06	8.69E-06	1.05E-05	1.08E-05	0.00E+00	3.12E-06	2.03E-06	6.92E-08	0.00E+00
Vermont	Orleans County	50019	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
Vermont	Orleans County	50019	R	1,4-Dichlorobenzene	1.72E-03	1.73E-03	1.78E-03	3.13E-03	4.31E-03	6.23E-03	9.86E-03	1.01E-02	0.00E+00	4.31E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	1,3-Dichloropropene	3.33E-03	3.33E-03	3.42E-03	6.12E-03	8.57E-03	1.24E-02	1.99E-02	2.04E-02	0.00E+00	8.57E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	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	1.03E-07	0.00E+00	0.00E+00	7.70E-03
Vermont	Orleans County	50019	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	1.11E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Orleans County	50019	R	Ethylene Oxide	6.86E-06	7.14E-06	1.20E-05	1.88E-05	2.04E-05	2.32E-05	3.91E-05	4.27E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	Formaldehyde	2.81E-01	2.82E-01	2.84E-01	3.17E-01	3.22E-01	3.53E-01	3.75E-01	3.78E-01	0.00E+00	2.47E-03	5.26E-02	1.67E-02	2.50E-01
Vermont	Orleans County	50019	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	5.37E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	Orleans County	50019	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	3.02E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	Orleans County	50019	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
Vermont	Orleans County	50019	R	Hydrazine	1.26E-10	1.51E-10	2.19E-10	1.32E-09	2.43E-08	1.27E-08	1.10E-07	2.03E-07	0.00E+00	2.43E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	Lead Compounds	1.89E-05	1.90E-05	2.32E-05	3.84E-05	8.15E-05	1.07E-04	2.45E-04	2.83E-04	0.00E+00	3.08E-05	0.00E+00	5.07E-05	0.00E+00
Vermont	Orleans County	50019	R	Manganese Compounds	1.98E-05	2.40E-05	3.10E-05	7.42E-05	6.51E-04	4.39E-04	2.85E-03	4.77E-03	0.00E+00	6.49E-04	1.63E-06	2.17E-07	0.00E+00
Vermont	Orleans County	50019	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	0.00E+00	5.96E-06	9.42E-06	1.86E-06	1.50E-03
Vermont	Orleans County	50019	R	Methylene Chloride	1.55E-01	1.56E-01	1.56E-01	1.61E-01	1.68E-01	1.78E-01	1.96E-01	1.99E-01	0.00E+00	1.81E-02	0.00E+00	0.00E+00	1.50E-01
Vermont	Orleans County	50019	R	Nickel Compounds	8.23E-06	9.17E-06	1.03E-05	2.64E-05	3.89E-05	6.16E-05	9.94E-05	9.96E-05	0.00E+00	3.48E-05	3.79E-06	3.47E-07	0.00E+00
Vermont	Orleans County	50019	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.44E-01	1.45E-01	1.48E-01	1.50E-01	1.51E-01	0.00E+00	4.93E-03	0.00E+00	0.00E+00	1.40E-01
Vermont	Orleans County	50019	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.83E-04	3.83E-04	3.84E-04	3.85E-04	3.85E-04	0.00E+00	3.27E-06	0.00E+00	0.00E+00	3.80E-04
Vermont	Orleans County	50019	R	Polycyclic Organic Matter	2.59E-02	2.74E-02	2.93E-02	3.61E-02	4.87E-02	6.15E-02	9.59E-02	1.27E-01	0.00E+00	4.69E-02	1.58E-03	2.12E-04	0.00E+00
Vermont	Orleans County	50019	R	7-PAH	3.57E-04	3.66E-04	3.99E-04	4.98E-04	5.41E-04	6.65E-04	7.68E-04	7.81E-04	0.00E+00	5.24E-04	1.23E-05	4.70E-06	0.00E+00
Vermont	Orleans County	50019	R	Propylene Dichloride	9.26E-07	1.08E-06	1.87E-06	3.89E-06	5.76E-06	5.33E-06	1.65E-05	2.30E-05	0.00E+00	5.76E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	Quinoline	2.32E-09	2.56E-09	4.63E-09	1.12E-08	7.50E-08	5.42E-08	3.17E-07	5.69E-07	0.00E+00	7.50E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	1,1,2,2-Tetrachloroethane	7.35E-06	7.78E-06	1.58E-05	2.95E-05	4.22E-05	3.38E-05	1.21E-04	2.07E-04	0.00E+00	4.22E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Orleans County	50019	R	Trichloroethylene	8.15E-02	8.15E-02	8.15E-02	8.20E-02	8.30E-02	8.42E-02	8.66E-02	8.68E-02	0.00E+00	2.03E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Orleans County	50019	R	Vinyl Chloride	1.82E-05	1.96E-05	3.91E-05	7.45E-05	1.06E-04	8.59E-05	3.05E-04	5.10E-04	0.00E+00	1.06E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Rutland County	50021	R	Acetaldehyde	4.28E-02	4.73E-02	6.57E-02	8.34E-02	1.59E-01	2.24E-01	3.77E-01	4.64E-01	2.12E-03	1.35E-03	1.35E-01	2.03E-02	0.00E+00
Vermont	Rutland County	50021	R	Acrolein	7.59E-03	9.00E-03	1.27E-02	2.03E-02	2.34E-02	2.98E-02	4.49E-02	5.70E-02	1.43E-05	5.09E-03	1.53E-02	2.97E-03	0.00E+00
Vermont	Rutland County	50021	R	Acrylonitrile	3.89E-05	6.70E-05	1.34E-04	2.57E-04	2.96E-04	3.71E-04	6.36E-04	8.20E-04	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Rutland County	50021	R	Arsenic Compounds	8.74E-06	1.01E-05	1.46E-05	2.23E-05	4.95E-05	5.96E-05	1.30E-04	2.01E-04	4.60E-07	2.62E-05	1.77E-05	5.15E-06	0.00E+00
Vermont	Rutland County	50021	R	Benzene	6.08E-01	6.24E-01	6.82E-01	7.47E-01	9.55E-01	1.03E+00	1.64E+00	2.08E+00	8.79E-06	1.80E-01	2.30E-01	6.45E-02	4.80E-01
Vermont	Rutland County	50021	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
Vermont	Rutland County	50021	R	Beryllium Compounds	1.67E-06	2.00E-06	2.97E-06	4.26E-06	1.46E-05	1.52E-05	4.53E-05	7.15E-05	2.72E-08	1.45E-05	0.00E+00		

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

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		
Vermont	Rutland County	50021	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.54E-03	1.56E-03	1.61E-03	1.67E-03	9.74E-07	2.10E-05	1.90E-05	3.87E-06	1.50E-03		
Vermont	Rutland County	50021	R	Methylene Chloride	1.57E-01	1.60E-01	1.64E-01	1.70E-01	2.19E-01	2.19E-01	3.27E-01	5.16E-01	2.79E-05	6.94E-02	0.00E+00	0.00E+00	1.50E-01		
Vermont	Rutland County	50021	R	Nickel Compounds	1.51E-05	1.89E-05	2.82E-05	5.57E-05	1.45E-04	1.48E-04	4.14E-04	6.60E-04	1.15E-06	1.33E-04	9.57E-06	1.04E-06	0.00E+00		
Vermont	Rutland County	50021	R	Perchloroethylene	1.43E-01	1.43E-01	1.44E-01	1.45E-01	1.68E-01	1.81E-01	2.40E-01	2.63E-01	7.32E-05	2.84E-02	0.00E+00	0.00E+00	1.40E-01		
Vermont	Rutland County	50021	R	Polychlorinated Biphenyls	3.83E-04	3.84E-04	3.86E-04	3.88E-04	3.91E-04	3.96E-04	4.02E-04	4.07E-04	7.82E-11	1.11E-05	0.00E+00	0.00E+00	3.80E-04		
Vermont	Rutland County	50021	R	Polycyclic Organic Matter	2.63E-02	2.99E-02	3.79E-02	4.34E-02	6.48E-02	6.67E-02	1.54E-01	1.66E-01	1.60E-06	5.98E-02	4.08E-03	9.02E-04	0.00E+00		
Vermont	Rutland County	50021	R	7-PAH	4.27E-04	5.39E-04	6.95E-04	8.51E-04	1.10E-03	1.20E-03	2.31E-03	2.65E-03	8.98E-12	1.06E-03	2.89E-05	1.15E-05	0.00E+00		
Vermont	Rutland County	50021	R	Propylene Dichloride	2.01E-06	3.68E-06	7.09E-06	1.61E-05	1.57E-05	1.83E-05	2.95E-05	4.09E-05	1.45E-07	1.55E-05	0.00E+00	0.00E+00	0.00E+00		
Vermont	Rutland County	50021	R	Quinoline	6.11E-09	8.77E-09	1.20E-08	1.70E-08	8.52E-08	9.85E-08	2.21E-07	4.89E-07	0.00E+00	8.52E-08	0.00E+00	0.00E+00	0.00E+00		
Vermont	Rutland County	50021	R	1,1,2,2-Tetrachloroethane	1.48E-05	2.89E-05	6.20E-05	1.06E-04	1.17E-04	1.40E-04	1.95E-04	3.28E-04	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00		
Vermont	Rutland County	50021	R	Trichloroethylene	8.17E-02	8.21E-02	8.25E-02	8.29E-02	9.22E-02	9.13E-02	1.10E-01	1.46E-01	2.26E-05	1.12E-02	0.00E+00	0.00E+00	8.10E-02		
Vermont	Rutland County	50021	R	Vinyl Chloride	4.99E-05	8.28E-05	2.09E-04	3.01E-04	3.43E-04	4.18E-04	5.89E-04	9.17E-04	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	Acetaldehyde	5.06E-02	5.12E-02	5.70E-02	1.45E-01	1.44E-01	2.04E-01	2.71E-01	2.98E-01	0.00E+00	7.68E-04	1.34E-01	9.20E-03	0.00E+00		
Vermont	Washington County	50023	R	Acrolein	7.63E-03	7.94E-03	9.03E-03	1.72E-02	1.99E-02	2.75E-02	4.35E-02	4.42E-02	0.00E+00	2.26E-03	1.56E-02	1.95E-03	0.00E+00		
Vermont	Washington County	50023	R	Acrylonitrile	1.97E-05	2.63E-05	3.64E-05	1.05E-04	1.85E-04	2.46E-04	5.90E-04	8.45E-04	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	Arsenic Compounds	8.00E-06	9.11E-06	9.76E-06	2.13E-05	3.86E-05	4.41E-05	1.28E-04	1.35E-04	0.00E+00	1.86E-05	1.68E-05	3.19E-06	0.00E+00		
Vermont	Washington County	50023	R	Benzene	6.12E-01	6.26E-01	6.62E-01	7.76E-01	9.01E-01	9.88E-01	1.55E+00	1.64E+00	0.00E+00	1.69E-01	2.17E-01	3.50E-02	4.80E-01		
Vermont	Washington County	50023	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		
Vermont	Washington County	50023	R	Beryllium Compounds	1.77E-06	1.96E-06	2.46E-06	3.66E-06	1.13E-05	1.24E-05	4.74E-05	5.42E-05	0.00E+00	1.13E-05	0.00E+00	1.39E-11	0.00E+00		
Vermont	Washington County	50023	R	1,3-Butadiene	2.67E-03	3.30E-03	4.22E-03	1.13E-02	2.39E-02	2.64E-02	8.27E-02	6.63E-02	0.00E+00	1.26E-04	2.01E-02	3.69E-03	0.00E+00		
Vermont	Washington County	50023	R	Cadmium Compounds	3.05E-06	3.33E-06	3.94E-06	5.02E-06	1.39E-05	1.58E-05	5.40E-05	8.00E-05	0.00E+00	1.39E-05	0.00E+00	1.38E-11	0.00E+00		
Vermont	Washington County	50023	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.76E-02	4.74E-02	5.07E-02	5.10E-02	0.00E+00	6.05E-04	0.00E+00	0.00E+00	4.70E-02		
Vermont	Washington County	50023	R	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	0.00E+00	2.18E-04	0.00E+00	0.00E+00	8.80E-01		
Vermont	Washington County	50023	R	Chloroform	8.48E-02	8.48E-02	8.49E-02	8.58E-02	8.92E-02	9.08E-02	1.04E-01	1.09E-01	0.00E+00	6.20E-03	0.00E+00	0.00E+00	8.30E-02		
Vermont	Washington County	50023	R	Chromium Compounds (includes Hexavalent)	6.82E-06	6.93E-06	7.52E-06	1.57E-05	2.77E-05	3.05E-05	9.12E-05	9.73E-05	0.00E+00	1.54E-05	1.19E-05	4.38E-07	0.00E+00		
Vermont	Washington County	50023	R	Chromium VI	2.50E-06	2.72E-06	2.96E-06	6.32E-06	1.11E-05	1.25E-05	3.59E-05	3.83E-05	0.00E+00	6.22E-06	4.71E-06	1.49E-07	0.00E+00		
Vermont	Washington County	50023	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		
Vermont	Washington County	50023	R	1,4-Dichlorobenzene	2.32E-03	2.63E-03	2.85E-03	4.74E-03	1.08E-02	1.30E-02	4.34E-02	4.43E-02	0.00E+00	1.08E-02	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	1,3-Dichloropropene	4.43E-03	5.09E-03	5.56E-03	9.41E-03	2.18E-02	2.61E-02	8.83E-02	9.05E-02	0.00E+00	2.18E-02	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	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	8.66E-08	0.00E+00	0.00E+00	7.70E-03		
Vermont	Washington County	50023	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	0.00E+00	1.81E-05	0.00E+00	0.00E+00	6.10E-02		
Vermont	Washington County	50023	R	Ethylene Oxide	7.71E-06	1.34E-05	2.13E-05	2.44E-05	4.34E-05	2.72E-05	2.00E-04	2.01E-04	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	Formaldehyde	3.01E-01	3.04E-01	3.12E-01	3.82E-01	4.10E-01	4.54E-01	6.21E-01	6.39E-01	0.00E+00	4.31E-03	1.33E-01	2.28E-02	2.50E-01		
Vermont	Washington County	50023	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	0.00E+00	7.44E-08	0.00E+00	0.00E+00	9.30E-05		
Vermont	Washington County	50023	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	7.71E-08	0.00E+00	0.00E+00	1.80E-03		
Vermont	Washington County	50023	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		
Vermont	Washington County	50023	R	Hydrazine	5.48E-11	1.49E-10	3.41E-10	1.34E-09	3.93E-09	2.75E-09	1.10E-08	3.99E-08	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	Lead Compounds	2.52E-05	5.82E-05	7.78E-05	3.27E-04	5.26E-04	9.85E-04	1.52E-03	1.54E-03	0.00E+00	7.06E-05	0.00E+00	4.55E-04	0.00E+00		
Vermont	Washington County	50023	R	Manganese Compounds	6.55E-05	7.03E-05	1.17E-04	1.82E-04	1.92E-04	2.27E-04	3.80E-04	4.08E-04	0.00E+00	1.88E-04	3.88E-06	3.39E-07	0.00E+00		
Vermont	Washington County	50023	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.54E-03	1.55E-03	1.62E-03	1.62E-03	0.00E+00	1.67E-05	1.82E-05	2.45E-06	1.50E-03		
Vermont	Washington County	50023	R	Methylene Chloride	1.58E-01	1.58E-01	1.61E-01	1.65E-01	2.03E-01	2.13E-01	3.36E-01	4.14E-01	0.00E+00	5.29E-02	0.00E+00	0.00E+00	1.50E-01		
Vermont	Washington County	50023	R	Nickel Compounds	1.39E-05	1.45E-05	1.78E-05	2.47E-05	7.74E-05	9.69E-05	2.86E-04	3.55E-04	0.00E+00	6.79E-05	8.93E-06	5.80E-07	0.00E+00		
Vermont	Washington County	50023	R	Perchloroethylene	1.42E-01	1.42E-01	1.43E-01	1.53E-01	1.62E-01	1.77E-01	2.08E-01	2.29E-01	0.00E+00	2.22E-02	0.00E+00	0.00E+00	1.40E-01		
Vermont	Washington County	50023	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.83E-04	3.84E-04	3.87E-04	3.90E-04	3.98E-04	4.07E-04	0.00E+00	7.28E-06	0.00E+00	0.00E+00	3.80E-04		
Vermont	Washington County	50023	R	Polycyclic Organic Matter	2.73E-02	2.96E-02	3.40E-02	4.54E-02	5.80E-02	7.38E-02	1.24E-01	1.42E-01	0.00E+00	5.37E-02	3.74E-03	6.04E-04	0.00E+00		
Vermont	Washington County	50023	R	7-PAH	4.42E-04	4.49E-04	5.28E-04	6.61E-04	8.94E-04	1.12E-03	1.84E-03	2.39E-03	0.00E+00	8.61E-04	2.69E-05	5.81E-06	0.00E+00		
Vermont	Washington County	50023	R	Propylene Dichloride	1.15E-06	1.49E-06	2.10E-06	5.87E-06	9.79E-06	1.26E-05	3.17E-05	4.19E-05	0.00E+00	9.79E-06	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	Quinoline	1.02E-09	2.21E-09	3.40E-09	7.64E-09	1.30E-08	1.09E-08	3.10E-08	1.01E-07	0.00E+00	1.30E-08	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	1,1,2,2-Tetrachloroethane	8.49E-06	1.18E-05	1.73E-05	4.82E-05	7.56E-05	9.35E-05	2.83E-04	2.89E-04	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00		
Vermont	Washington County	50023	R	Trichloroethylene	8.18E-02	8.19E-02	8.22E-02	8.31E-02	8.99E-02	9.07E-02	1.12E-01	1.25E-01	0.00E+00	8.88E-03	0.00E+00	0.00E+00	8.10E-02		
Vermont	Washington County	50023	R	Vinyl Chloride	2.13E-05	2.93E-05	4.27E-05	1.20E-04	1.87E-04	2.31E-04	6.98E-04	7.17E-04	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00		
Vermont	Windham County	50025	R	Acetaldehyde	3.48E-02	3.63E-02	4.59E-02	8.61E-02	1.53E-01	1.84E-01	4.59E-01	7.08E-01	0.00E+00	2.35E-03	1.41E-01	9.33E-03	0.00E+00		
Vermont	Windham County	50025	R	Acrolein	8.87E-03	9.10E-03	9.95E-03	1.42E-02	2.06E-02	2.33E-02	6.78E-02	7.08E-02	0.00E+00	2.83E-03	1.55E-02	2.33E-03	0.00E+00		
Vermont	Windham County	50025	R	Acrylonitrile	4.58E-05	4.98E-05	6.34E-05	1.37E-04	2.04E-04	2.97E-04	5.83E-04	7.17E-04	1.75E-05	1.87E-04	0.00E+00	0.00E+00	0.00E+00		
Vermont	Windham County	50025	R	Arsenic Compounds	6.71E-06	8.72E-06	9.97E-06	1.63E-05	2.93E-05	3.15E-05	8.38E-05	1.31E-04	4.67E-08	1.09E-05	1.62E-05	2.15E-06	0.00E+00		
Vermont	Windham County	50025	R	Benzene	6.06E-01	6.36E-01	6.54E-01	6.99E-01	8.49E-01	8.69E-01	1.38E+00	2.06E+00	4.53E-05	1.42E-01	1.9				

DRAFT FOR REVIEW ONLY																	
Estimated Annual Average Ambient Concentrations µg/m3 for Vermont																	
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
Vermont	Windham County	50025	R	Chromium VI	2.56E-06	2.97E-06	3.39E-06	6.35E-06	1.67E-05	2.59E-05	4.76E-05	6.90E-05	3.24E-06	8.69E-06	4.69E-06	1.16E-07	0.00E+00
Vermont	Windham County	50025	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
Vermont	Windham County	50025	R	1,4-Dichlorobenzene	1.99E-03	2.73E-03	3.09E-03	4.32E-03	6.56E-03	6.43E-03	1.60E-02	2.41E-02	1.61E-06	6.56E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	R	1,3-Dichloropropene	3.82E-03	5.33E-03	5.95E-03	8.68E-03	1.33E-02	1.34E-02	3.35E-02	4.91E-02	0.00E+00	1.33E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	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	9.82E-09	1.57E-07	0.00E+00	0.00E+00	7.70E-03
Vermont	Windham County	50025	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	2.12E-06	2.01E-05	0.00E+00	0.00E+00	6.10E-02
Vermont	Windham County	50025	R	Ethylene Oxide	3.40E-05	4.20E-05	6.49E-05	2.85E-04	1.35E-03	1.38E-03	3.59E-03	1.08E-02	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	R	Formaldehyde	2.93E-01	2.97E-01	3.03E-01	3.37E-01	4.07E-01	4.19E-01	6.98E-01	9.90E-01	1.31E-04	9.91E-03	1.27E-01	1.99E-02	2.50E-01
Vermont	Windham County	50025	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	9.75E-08	0.00E+00	0.00E+00	9.30E-05
Vermont	Windham County	50025	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	5.35E-08	0.00E+00	0.00E+00	1.80E-03
Vermont	Windham County	50025	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
Vermont	Windham County	50025	R	Hydrazine	3.64E-10	3.70E-10	5.39E-10	4.00E-09	1.61E-08	1.17E-08	7.09E-08	9.12E-08	0.00E+00	1.61E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	R	Lead Compounds	2.98E-05	3.51E-05	5.27E-05	7.98E-05	1.22E-04	1.25E-04	3.04E-04	5.01E-04	1.98E-06	8.46E-05	0.00E+00	3.51E-05	0.00E+00
Vermont	Windham County	50025	R	Manganese Compounds	5.03E-05	5.39E-05	7.40E-05	8.41E-05	9.99E-05	1.22E-04	1.52E-04	2.18E-04	7.90E-08	9.58E-05	3.71E-06	2.40E-07	0.00E+00
Vermont	Windham County	50025	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.54E-03	1.55E-03	1.58E-03	1.62E-03	1.03E-05	9.69E-06	1.74E-05	1.64E-06	1.50E-03
Vermont	Windham County	50025	R	Methylene Chloride	1.60E-01	1.62E-01	1.65E-01	1.75E-01	1.97E-01	1.89E-01	3.01E-01	3.39E-01	6.08E-05	4.66E-02	0.00E+00	0.00E+00	1.50E-01
Vermont	Windham County	50025	R	Nickel Compounds	8.45E-05	9.63E-05	1.62E-04	4.13E-04	5.37E-04	6.95E-04	1.43E-03	1.48E-03	6.00E-06	5.22E-04	8.85E-06	4.05E-07	0.00E+00
Vermont	Windham County	50025	R	Perchloroethylene	1.43E-01	1.43E-01	1.44E-01	1.48E-01	1.53E-01	1.62E-01	1.74E-01	1.80E-01	3.09E-05	1.29E-02	0.00E+00	0.00E+00	1.40E-01
Vermont	Windham County	50025	R	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.86E-04	3.90E-04	3.91E-04	3.94E-04	4.02E-04	4.02E-04	0.00E+00	1.06E-05	0.00E+00	0.00E+00	3.80E-04
Vermont	Windham County	50025	R	Polycyclic Organic Matter	2.72E-02	2.91E-02	3.64E-02	4.52E-02	4.84E-02	5.60E-02	7.56E-02	7.88E-02	0.00E+00	4.44E-02	3.66E-03	3.28E-04	0.00E+00
Vermont	Windham County	50025	R	7-PAH	4.79E-04	5.81E-04	6.48E-04	7.57E-04	7.87E-04	9.01E-04	1.11E-03	1.19E-03	4.49E-09	7.55E-04	2.61E-05	5.70E-06	0.00E+00
Vermont	Windham County	50025	R	Propylene Dichloride	2.30E-06	2.79E-06	3.54E-06	7.77E-06	1.06E-05	1.34E-05	2.23E-05	4.30E-05	1.06E-06	9.51E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	R	Quinoline	8.94E-09	9.13E-09	1.29E-08	3.55E-08	6.89E-08	6.56E-08	2.39E-07	2.93E-07	0.00E+00	6.89E-08	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	R	1,1,2,2-Tetrachloroethane	1.65E-05	1.93E-05	2.91E-05	4.53E-05	8.24E-05	1.03E-04	2.00E-04	3.81E-04	9.73E-06	7.27E-05	0.00E+00	0.00E+00	0.00E+00
Vermont	Windham County	50025	R	Trichloroethylene	8.23E-02	8.30E-02	8.33E-02	8.59E-02	8.87E-02	8.98E-02	1.04E-01	1.08E-01	1.85E-05	7.64E-03	0.00E+00	0.00E+00	8.10E-02
Vermont	Windham County	50025	R	Vinyl Chloride	5.70E-05	5.80E-05	8.26E-05	1.68E-04	2.35E-04	2.77E-04	6.27E-04	9.41E-04	2.40E-05	2.11E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Windsor County	50027	R	Acetaldehyde	3.34E-02	5.34E-02	6.24E-02	1.03E-01	1.07E-01	1.43E-01	1.83E-01	2.04E-01	7.34E-05	7.41E-04	9.99E-02	6.64E-03	0.00E+00
Vermont	Windsor County	50027	R	Acrolein	5.47E-03	9.81E-03	1.15E-02	1.53E-02	1.64E-02	1.89E-02	2.66E-02	2.95E-02	5.00E-07	1.61E-03	1.27E-02	2.11E-03	0.00E+00
Vermont	Windsor County	50027	R	Acrylonitrile	4.31E-05	5.13E-05	7.43E-05	1.09E-04	1.45E-04	1.49E-04	3.01E-04	5.91E-04	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00
Vermont	Windsor County	50027	R	Arsenic Compounds	7.65E-06	1.34E-05	1.58E-05	2.44E-05	2.81E-05	2.94E-05	5.72E-05	7.17E-05	1.03E-07	1.13E-05	1.47E-05	1.99E-06	0.00E+00
Vermont	Windsor County	50027	R	Benzene	5.94E-01	6.70E-01	6.81E-01	7.87E-01	7.90E-01	8.17E-01	1.04E+00	1.11E+00	3.14E-07	1.38E-01	1.43E-01	2.85E-02	4.80E-01
Vermont	Windsor County	50027	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
Vermont	Windsor County	50027	R	Beryllium Compounds	1.42E-06	2.48E-06	3.68E-06	4.66E-06	6.47E-06	8.56E-06	1.42E-05	1.85E-05	9.60E-10	6.47E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Windsor County	50027	R	1,3-Butadiene	2.55E-03	3.56E-03	4.63E-03	1.14E-02	1.34E-02	1.47E-02	3.05E-02	4.39E-02	0.00E+00	1.63E-04	1.11E-02	2.13E-03	0.00E+00
Vermont	Windsor County	50027	R	Cadmium Compounds	2.90E-06	4.26E-06	5.85E-06	7.00E-06	8.99E-06	1.10E-05	1.92E-05	2.16E-05	2.36E-07	8.75E-06	0.00E+00	0.00E+00	0.00E+00
Vermont	Windsor County	50027	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.74E-02	4.74E-02	4.76E-02	4.95E-02	7.62E-06	4.08E-04	0.00E+00	0.00E+00	4.70E-02
Vermont	Windsor County	50027	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.07E-05	1.54E-04	0.00E+00	0.00E+00	8.80E-01
Vermont	Windsor County	50027	R	Chloroform	8.42E-02	8.49E-02	8.60E-02	8.67E-02	8.82E-02	9.16E-02	9.29E-02	9.65E-02	8.56E-06	5.17E-03	0.00E+00	0.00E+00	8.30E-02
Vermont	Windsor County	50027	R	Chromium Compounds (includes Hexavalent)	7.58E-06	1.16E-05	2.29E-05	5.54E-05	5.56E-05	6.26E-05	1.33E-04	1.44E-04	3.11E-05	1.52E-05	8.96E-06	3.28E-07	0.00E+00
Vermont	Windsor County	50027	R	Chromium VI	3.67E-06	5.48E-06	9.45E-06	2.08E-05	2.35E-05	2.94E-05	6.37E-05	6.79E-05	1.05E-05	9.21E-06	3.59E-06	1.11E-07	0.00E+00
Vermont	Windsor County	50027	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
Vermont	Windsor County	50027	R	1,4-Dichlorobenzene	1.70E-03	2.81E-03	3.90E-03	5.17E-03	6.66E-03	8.07E-03	1.31E-02	1.94E-02	0.00E+00	6.66E-03	0.00E+00	0.00E+00	0.00E+00
Vermont	Windsor County	50027	R	1,3-Dichloropropene	3.25E-03	5.50E-03	7.98E-03	1.03E-02	1.40E-02	1.69E-02	2.79E-02	4.13E-02	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00
Vermont	Windsor County	50027	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				

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Estimated Annual Average Ambient Concentrations µg/m3 for Vermont

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
Vermont	Windsor County	50027	R	Vinyl Chloride	5.36E-05	5.88E-05	8.90E-05	1.06E-04	1.56E-04	1.32E-04	2.72E-04	7.90E-04	0.00E+00	1.56E-04	0.00E+00	0.00E+00	0.00E+00