

US EPA ARCHIVE DOCUMENT

1999 Draft Emissions for Hawaii: For Review Only

This spreadsheet summarizes the county-level emissions input into the ASPEN model. 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. These results should 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.

For a discussion of limitations, please see <http://www.epa.gov/ttn/atw/nata1999/natsalim2.html>

DRAFT FOR REVIEW ONLY

State	County	FIPS	Urban or Rural	Pollutant	Major		Area and Other		Onroad Mobile		Nonroad Mobile		Total	
					Emissions (tons/yr)	Emissions Density (tons/yr/sq. mile)								
Hawaii	Statewide	N/A	N/A	Acetaldehyde - Primary	1.91E-01	3.00E-05	8.45E+01	1.32E-02	7.19E+01	1.13E-02	9.59E+01	1.50E-02	2.53E+02	3.96E-02
Hawaii	Statewide	N/A	N/A	Acrolein - Primary	3.87E-03	6.07E-07	9.30E+01	1.46E-02	1.07E+01	1.67E-03	1.98E+01	3.11E-03	1.24E+02	1.94E-02
Hawaii	Statewide	N/A	N/A	Acrylonitrile	2.76E-01	4.32E-05	6.65E-01	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-01	1.48E-04
Hawaii	Statewide	N/A	N/A	Arsenic Compounds	2.20E-01	3.46E-05	7.12E-02	1.12E-05	5.93E-02	9.29E-06	2.47E-02	3.86E-06	3.76E-01	5.89E-05
Hawaii	Statewide	N/A	N/A	Benzene	3.42E+01	5.36E-03	2.78E+02	4.35E-02	3.96E+02	6.21E-02	2.42E+02	3.80E-02	9.51E+02	1.49E-01
Hawaii	Statewide	N/A	N/A	Benzidine	0.00E+00	0.00E+00								
Hawaii	Statewide	N/A	N/A	Beryllium Compounds	6.46E-03	1.01E-06	4.51E-03	7.06E-07	0.00E+00	0.00E+00	6.91E+00	1.08E-08	1.10E-02	1.73E-06
Hawaii	Statewide	N/A	N/A	1,3-Butadiene	2.99E+00	4.68E-04	8.33E+01	1.31E-02	5.90E+01	9.24E-03	4.09E+01	6.40E-03	1.86E+02	2.92E-02
Hawaii	Statewide	N/A	N/A	Cadmium Compounds	9.18E-02	1.44E-05	2.31E-02	3.63E-06	0.00E+00	0.00E+00	9.67E-04	1.52E-07	1.16E-01	1.82E-05
Hawaii	Statewide	N/A	N/A	Carbon Disulfide	2.87E-01	4.49E-05	1.57E+00	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E+00	2.91E-04
Hawaii	Statewide	N/A	N/A	Carbon Tetrachloride	5.05E-04	7.92E-08	4.14E-01	6.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-01	6.50E-05
Hawaii	Statewide	N/A	N/A	Chloroform	2.94E-03	4.61E-07	2.34E+01	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E+01	3.67E-03
Hawaii	Statewide	N/A	N/A	Chromium Compounds: Total	2.15E-01	3.36E-05	5.33E-02	8.35E-06	4.16E-02	6.51E-06	6.19E-03	9.69E-07	3.16E-01	4.95E-05
Hawaii	Statewide	N/A	N/A	Chromium Compounds: Hexavalent only	4.17E-02	6.53E-06	1.57E-02	2.46E-06	1.67E-02	2.61E-06	2.10E-03	3.30E-07	7.61E-02	1.19E-05
Hawaii	Statewide	N/A	N/A	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	Statewide	N/A	N/A	1,4-Dichlorobenzene	2.54E-02	3.97E-06	4.63E+01	7.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E+01	7.26E-03
Hawaii	Statewide	N/A	N/A	1,3-Dichloropropene	0.00E+00	0.00E+00	9.48E+01	1.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E+01	1.49E-02
Hawaii	Statewide	N/A	N/A	Ethylene Dibromide	1.54E-04	2.42E-08	3.41E-04	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	7.76E-08
Hawaii	Statewide	N/A	N/A	Ethylene Dichloride	3.33E-02	5.22E-06	7.14E-02	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-01	1.64E-05
Hawaii	Statewide	N/A	N/A	Ethylene Oxide	0.00E+00	0.00E+00	8.80E-01	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-01	1.38E-04
Hawaii	Statewide	N/A	N/A	Formaldehyde - Primary	8.19E+00	1.28E-03	5.37E+02	8.42E-02	2.40E+02	3.76E-02	2.47E+02	3.87E-02	1.03E+03	1.62E-01
Hawaii	Statewide	N/A	N/A	Hexachlorobenzene	0.00E+00	0.00E+00	4.35E-04	6.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	6.82E-08
Hawaii	Statewide	N/A	N/A	Hexachlorobutadiene	0.00E+00	0.00E+00	2.17E-04	3.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.41E-08
Hawaii	Statewide	N/A	N/A	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	Statewide	N/A	N/A	Hydrazine	0.00E+00	0.00E+00	1.98E-05	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-05	3.10E-09
Hawaii	Statewide	N/A	N/A	Lead Compounds	1.07E+00	1.67E-04	2.83E-01	4.43E-05	0.00E+00	0.00E+00	2.06E+00	3.23E-04	3.41E+00	5.34E-04
Hawaii	Statewide	N/A	N/A	Manganese Compounds	5.35E-01	8.39E-05	1.05E+00	1.65E-04	1.41E-02	2.22E-06	1.02E-02	1.59E-06	1.61E+00	2.52E-04
Hawaii	Statewide	N/A	N/A	Mercury Compounds	9.00E-02	1.41E-05	2.11E-02	3.30E-06	6.41E-02	1.00E-05	2.13E-02	3.34E-06	1.96E-01	3.08E-05
Hawaii	Statewide	N/A	N/A	Methylene Chloride	1.02E+00	1.60E-04	1.60E+02	2.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E+02	2.52E-02
Hawaii	Statewide	N/A	N/A	Nickel Compounds	1.33E+01	2.09E-03	1.22E+01	1.92E-03	3.14E-02	4.92E-06	1.97E-01	3.08E-05	2.58E+01	4.04E-03
Hawaii	Statewide	N/A	N/A	Perchloroethylene	5.53E-01	8.67E-05	8.17E+01	1.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E+01	1.29E-02
Hawaii	Statewide	N/A	N/A	Polychlorinated Biphenyls	6.22E-06	9.75E-10	5.24E-02	8.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-02	8.21E-06
Hawaii	Statewide	N/A	N/A	Polycyclic Organic Matter	3.98E+00	6.23E-04	4.23E+01	6.62E-03	1.17E+01	1.83E-03	1.05E+01	1.64E-03	6.84E+01	1.07E-02
Hawaii	Statewide	N/A	N/A	7-PAH	7.89E-03	1.24E-06	5.38E+00	8.43E-04	7.97E-02	1.25E-05	9.02E-02	1.41E-05	5.56E+00	8.71E-04
Hawaii	Statewide	N/A	N/A	Propylene Dichloride	1.67E-02	2.62E-06	3.69E-02	5.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-02	8.39E-06
Hawaii	Statewide	N/A	N/A	Quinoline	0.00E+00	0.00E+00	4.73E-05	7.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-05	7.41E-09
Hawaii	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	1.53E-01	2.40E-05	3.01E-01	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-01	7.12E-05
Hawaii	Statewide	N/A	N/A	Trichloroethylene	3.04E-01	4.77E-05	1.94E+01	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E+01	3.08E-03
Hawaii	Statewide	N/A	N/A	Vinyl Chloride	3.77E-01	5.91E-05	7.44E-01	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E+00	1.76E-04
Hawaii	All Urban Counties	N/A	U	Acetaldehyde - Primary	1.91E-01	3.13E-04	1.12E+01	1.83E-02	4.64E+01	7.58E-02	6.44E+01	1.05E-01	1.22E+02	2.00E-01
Hawaii	Honolulu County	15003	U	Acetaldehyde - Primary	1.91E-01	3.13E-04	1.12E+01	1.83E-02	4.64E+01	7.58E-02	6.44E+01	1.05E-01	1.22E+02	2.00E-01
Hawaii	All Urban Counties	N/A	U	Acrolein - Primary	3.87E-03	6.33E-06	1.55E+01	2.53E-02	6.89E+00	1.13E-02	1.21E+01	1.98E-02	3.45E+01	5.64E-02
Hawaii	Honolulu County	15003	U	Acrolein - Primary	3.87E-03	6.33E-06	1.55E+01	2.53E-02	6.89E+00	1.13E-02	1.21E+01	1.98E-02	3.45E+01	5.64E-02
Hawaii	All Urban Counties	N/A	U	Acrylonitrile	2.76E-01	4.51E-04	9.43E-02	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-01	6.05E-04
Hawaii	Honolulu County	15003	U	Acrylonitrile	2.76E-01	4.51E-04	9.43E-02	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-01	6.05E-04
Hawaii	All Urban Counties	N/A	U	Arsenic Compounds	2.20E-01	3.60E-04	1.82E-02	2.97E-05	3.61E-02	5.89E-05	1.75E-02	2.85E-05	2.92E-01	4.77E-04

DRAFT FOR REVIEW ONLY

State	County	FIPS	Urban or Rural	Pollutant	Major		Area and Other		Onroad Mobile		Nonroad Mobile		Total	
					Emissions (tons/yr)	Emissions Density (tons/yr/sq. mile)								
Hawaii	Honolulu County	15003	U	Arsenic Compounds	2.20E-01	3.60E-04	1.82E-02	2.97E-05	3.61E-02	5.89E-05	1.75E-02	2.85E-05	2.92E-01	4.77E-04
Hawaii	All Urban Counties	N/A	U	Benzene	3.42E+01	5.59E-02	4.57E+01	7.47E-02	2.67E+02	4.37E-01	1.51E+02	2.47E-01	4.99E+02	8.15E-01
Hawaii	Honolulu County	15003	U	Benzene	3.42E+01	5.59E-02	4.57E+01	7.47E-02	2.67E+02	4.37E-01	1.51E+02	2.47E-01	4.99E+02	8.15E-01
Hawaii	All Urban Counties	N/A	U	Benzidine	0.00E+00	0.00E+00								
Hawaii	Honolulu County	15003	U	Benzidine	0.00E+00	0.00E+00								
Hawaii	All Urban Counties	N/A	U	Beryllium Compounds	6.46E-03	1.06E-05	2.71E-03	4.43E-06	0.00E+00	0.00E+00	5.25E-05	8.58E-08	9.22E-03	1.51E-05
Hawaii	Honolulu County	15003	U	Beryllium Compounds	6.46E-03	1.06E-05	2.71E-03	4.43E-06	0.00E+00	0.00E+00	5.25E-05	8.58E-08	9.22E-03	1.51E-05
Hawaii	All Urban Counties	N/A	U	1,3-Butadiene	2.99E+00	4.88E-03	1.08E+01	1.76E-02	3.93E+01	6.42E-02	2.60E+01	4.25E-02	7.91E+01	1.29E-01
Hawaii	Honolulu County	15003	U	1,3-Butadiene	2.99E+00	4.88E-03	1.08E+01	1.76E-02	3.93E+01	6.42E-02	2.60E+01	4.25E-02	7.91E+01	1.29E-01
Hawaii	All Urban Counties	N/A	U	Cadmium Compounds	9.18E-02	1.50E-04	7.03E-03	1.15E-05	0.00E+00	0.00E+00	7.35E-04	1.20E-06	9.96E-02	1.63E-04
Hawaii	Honolulu County	15003	U	Cadmium Compounds	9.18E-02	1.50E-04	7.03E-03	1.15E-05	0.00E+00	0.00E+00	7.35E-04	1.20E-06	9.96E-02	1.63E-04
Hawaii	All Urban Counties	N/A	U	Carbon Disulfide	2.87E-01	4.68E-04	1.11E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+00	2.28E-03
Hawaii	Honolulu County	15003	U	Carbon Disulfide	2.87E-01	4.68E-04	1.11E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+00	2.28E-03
Hawaii	All Urban Counties	N/A	U	Carbon Tetrachloride	5.05E-04	8.26E-07	3.02E-01	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-01	4.94E-04
Hawaii	Honolulu County	15003	U	Carbon Tetrachloride	5.05E-04	8.26E-07	3.02E-01	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-01	4.94E-04
Hawaii	All Urban Counties	N/A	U	Chloroform	2.94E-03	4.81E-06	1.77E+01	2.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E+01	2.89E-02
Hawaii	Honolulu County	15003	U	Chloroform	2.94E-03	4.81E-06	1.77E+01	2.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E+01	2.89E-02
Hawaii	All Urban Counties	N/A	U	Chromium Compounds: Total	2.15E-01	3.51E-04	1.19E-02	1.95E-05	2.78E-02	4.55E-05	4.41E-03	7.20E-06	2.59E-01	4.23E-04
Hawaii	Honolulu County	15003	U	Chromium Compounds: Total	2.15E-01	3.51E-04	1.19E-02	1.95E-05	2.78E-02	4.55E-05	4.41E-03	7.20E-06	2.59E-01	4.23E-04
Hawaii	All Urban Counties	N/A	U	Chromium Compounds: Hexavalent only	4.17E-02	6.81E-05	3.53E-03	5.77E-06	1.12E-02	1.82E-05	1.50E-03	2.45E-06	5.79E-02	9.46E-05
Hawaii	Honolulu County	15003	U	Chromium Compounds: Hexavalent only	4.17E-02	6.81E-05	3.53E-03	5.77E-06	1.12E-02	1.82E-05	1.50E-03	2.45E-06	5.79E-02	9.46E-05
Hawaii	All Urban Counties	N/A	U	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	Honolulu County	15003	U	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	All Urban Counties	N/A	U	1,4-Dichlorobenzene	2.54E-02	4.14E-05	3.37E+01	5.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E+01	5.51E-02
Hawaii	Honolulu County	15003	U	1,4-Dichlorobenzene	2.54E-02	4.14E-05	3.37E+01	5.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E+01	5.51E-02
Hawaii	All Urban Counties	N/A	U	1,3-Dichloropropene	0.00E+00	0.00E+00	6.92E+01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E+01	1.13E-01
Hawaii	Honolulu County	15003	U	1,3-Dichloropropene	0.00E+00	0.00E+00	6.92E+01	1.13E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E+01	1.13E-01
Hawaii	All Urban Counties	N/A	U	Ethylene Dibromide	1.54E-04	2.52E-07	3.27E-05	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.06E-07
Hawaii	Honolulu County	15003	U	Ethylene Dibromide	1.54E-04	2.52E-07	3.27E-05	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	3.06E-07
Hawaii	All Urban Counties	N/A	U	Ethylene Dichloride	3.33E-02	5.45E-05	4.45E-03	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-02	6.17E-05
Hawaii	Honolulu County	15003	U	Ethylene Dichloride	3.33E-02	5.45E-05	4.45E-03	7.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-02	6.17E-05
Hawaii	All Urban Counties	N/A	U	Ethylene Oxide	0.00E+00	0.00E+00	6.96E-01	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-01	1.14E-03
Hawaii	Honolulu County	15003	U	Ethylene Oxide	0.00E+00	0.00E+00	6.96E-01	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-01	1.14E-03
Hawaii	All Urban Counties	N/A	U	Formaldehyde - Primary	8.19E+00	1.34E-02	7.25E+01	1.18E-01	1.56E+02	2.55E-01	1.63E+02	2.67E-01	4.00E+02	6.54E-01
Hawaii	Honolulu County	15003	U	Formaldehyde - Primary	8.19E+00	1.34E-02	7.25E+01	1.18E-01	1.56E+02	2.55E-01	1.63E+02	2.67E-01	4.00E+02	6.54E-01
Hawaii	All Urban Counties	N/A	U	Hexachlorobenzene	0.00E+00	0.00E+00	5.28E-06	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06	8.62E-09
Hawaii	Honolulu County	15003	U	Hexachlorobenzene	0.00E+00	0.00E+00	5.28E-06	8.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-06	8.62E-09
Hawaii	All Urban Counties	N/A	U	Hexachlorobutadiene	0.00E+00	0.00E+00	1.59E-04	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.59E-07
Hawaii	Honolulu County	15003	U	Hexachlorobutadiene	0.00E+00	0.00E+00	1.59E-04	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	2.59E-07
Hawaii	All Urban Counties	N/A	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	Honolulu County	15003	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	All Urban Counties	N/A	U	Hydrazine	0.00E+00	0.00E+00	1.60E-05	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	2.61E-08
Hawaii	Honolulu County	15003	U	Hydrazine	0.00E+00	0.00E+00	1.60E-05	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	2.61E-08
Hawaii	All Urban Counties	N/A	U	Lead Compounds	1.07E+00	1.75E-03	1.52E-01	2.48E-04	0.00E+00	0.00E+00	1.12E+00	1.84E-03	2.34E+00	3.83E-03
Hawaii	Honolulu County	15003	U	Lead Compounds	1.07E+00	1.75E-03	1.52E-01	2.48E-04	0.00E+00	0.00E+00	1.12E+00	1.84E-03	2.34E+00	3.83E-03
Hawaii	All Urban Counties	N/A	U	Manganese Compounds	5.35E-01	8.75E-04	3.82E-02	6.24E-05	9.46E-03	1.55E-05	7.56E-03	1.24E-05	5.91E-01	9.65E-04
Hawaii	Honolulu County	15003	U	Manganese Compounds	5.35E-01	8.75E-04	3.82E-02	6.24E-05	9.46E-03	1.55E-05	7.56E-03	1.24E-05	5.91E-01	9.65E-04
Hawaii	All Urban Counties	N/A	U	Mercury Compounds	9.00E-02	1.47E-04	1.30E-02	2.12E-05	3.71E-02	6.06E-05	1.53E-02	2.50E-05	1.55E-01	2.54E-04
Hawaii	Honolulu County	15003	U	Mercury Compounds	9.00E-02	1.47E-04	1.30E-02	2.12E-05	3.71E-02	6.06E-05	1.53E-02	2.50E-05	1.55E-01	2.54E-04
Hawaii	All Urban Counties	N/A	U	Methylene Chloride	1.02E+00	1.67E-03	1.16E+02	1.90E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E+02	1.91E-01
Hawaii	Honolulu County	15003	U	Methylene Chloride	1.02E+00	1.67E-03	1.16E+02	1.90E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E+02	1.91E-01
Hawaii	All Urban Counties	N/A	U	Nickel Compounds	1.33E+01	2.18E-02	9.32E+00	1.52E-02	2.09E-02	3.42E-05	1.54E-01	2.52E-04	2.28E+01	3.73E-02
Hawaii	Honolulu County	15003	U	Nickel Compounds	1.33E+01	2.18E-02	9.32E+00	1.52E-02	2.09E-02	3.42E-05	1.54E-01	2.52E-04	2.28E+01	3.73E-02
Hawaii	All Urban Counties	N/A	U	Perchloroethylene	5.53E-01	9.04E-04	5.82E+01	9.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E+01	9.59E-02

DRAFT FOR REVIEW ONLY

State	County	FIPS	Urban or Rural	Pollutant	Major		Area and Other		Onroad Mobile		Nonroad Mobile		Total	
					Emissions (tons/yr)	Emissions Density (tons/yr/sq. mile)								
Hawaii	Honolulu County	15003	U	Perchloroethylene	5.53E-01	9.04E-04	5.82E+01	9.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E+01	9.59E-02
Hawaii	All Urban Counties	N/A	U	Polychlorinated Biphenyls	6.22E-06	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-06	1.02E-08
Hawaii	Honolulu County	15003	U	Polychlorinated Biphenyls	6.22E-06	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-06	1.02E-08
Hawaii	All Urban Counties	N/A	U	Polycyclic Organic Matter	3.98E+00	6.50E-03	2.25E+01	3.67E-02	7.72E+00	1.26E-02	5.19E+00	8.48E-03	3.94E+01	6.43E-02
Hawaii	Honolulu County	15003	U	Polycyclic Organic Matter	3.98E+00	6.50E-03	2.25E+01	3.67E-02	7.72E+00	1.26E-02	5.19E+00	8.48E-03	3.94E+01	6.43E-02
Hawaii	All Urban Counties	N/A	U	7-PAH	7.89E-03	1.29E-05	6.67E-01	1.09E-03	4.97E-02	8.13E-05	4.95E-02	8.08E-05	7.74E-01	1.26E-03
Hawaii	Honolulu County	15003	U	7-PAH	7.89E-03	1.29E-05	6.67E-01	1.09E-03	4.97E-02	8.13E-05	4.95E-02	8.08E-05	7.74E-01	1.26E-03
Hawaii	All Urban Counties	N/A	U	Propylene Dichloride	1.67E-02	2.73E-05	3.23E-03	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	3.26E-05
Hawaii	Honolulu County	15003	U	Propylene Dichloride	1.67E-02	2.73E-05	3.23E-03	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-02	3.26E-05
Hawaii	All Urban Counties	N/A	U	Quinoline	0.00E+00	0.00E+00	3.82E-05	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	6.24E-08
Hawaii	Honolulu County	15003	U	Quinoline	0.00E+00	0.00E+00	3.82E-05	6.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	6.24E-08
Hawaii	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	1.53E-01	2.50E-04	2.85E-03	4.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-01	2.55E-04
Hawaii	Honolulu County	15003	U	1,1,2,2-Tetrachloroethane	1.53E-01	2.50E-04	2.85E-03	4.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-01	2.55E-04
Hawaii	All Urban Counties	N/A	U	Trichloroethylene	3.04E-01	4.97E-04	1.37E+01	2.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+01	2.29E-02
Hawaii	Honolulu County	15003	U	Trichloroethylene	3.04E-01	4.97E-04	1.37E+01	2.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E+01	2.29E-02
Hawaii	All Urban Counties	N/A	U	Vinyl Chloride	3.77E-01	6.16E-04	8.62E-03	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-01	6.30E-04
Hawaii	Honolulu County	15003	U	Vinyl Chloride	3.77E-01	6.16E-04	8.62E-03	1.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-01	6.30E-04
Hawaii	All Rural Counties	N/A	R	Acetaldehyde - Primary	0.00E+00	0.00E+00	7.33E+01	1.27E-02	2.55E+01	4.43E-03	3.15E+01	5.46E-03	1.30E+02	2.26E-02
Hawaii	Hawaii County	15001	R	Acetaldehyde - Primary	0.00E+00	0.00E+00	5.06E+01	1.26E-02	1.22E+01	3.02E-03	1.14E+01	2.83E-03	7.41E+01	1.84E-02
Hawaii	Kalawao County	15005	R	Acetaldehyde - Primary	0.00E+00	0.00E+00	4.77E-06	0.00E+00	2.20E-03	0.00E+00	9.16E-03	0.00E+00	1.14E-02	0.00E+00
Hawaii	Kauai County	15007	R	Acetaldehyde - Primary	0.00E+00	0.00E+00	1.13E+01	1.86E-02	5.18E+00	8.48E-03	5.89E+00	9.65E-03	2.24E+01	3.67E-02
Hawaii	Maui County	15009	R	Acetaldehyde - Primary	0.00E+00	0.00E+00	1.14E+01	1.01E-02	8.18E+00	7.23E-03	1.42E+01	1.25E-02	3.37E+01	2.98E-02
Hawaii	All Rural Counties	N/A	R	Acrolein - Primary	0.00E+00	0.00E+00	7.75E+01	1.34E-02	3.76E+00	6.51E-04	7.74E+00	1.34E-03	8.90E+01	1.54E-02
Hawaii	Hawaii County	15001	R	Acrolein - Primary	0.00E+00	0.00E+00	5.32E+01	1.32E-02	1.78E+00	4.43E-04	2.65E+00	6.58E-04	5.76E+01	1.43E-02
Hawaii	Kalawao County	15005	R	Acrolein - Primary	0.00E+00	0.00E+00	6.99E-04	0.00E+00	3.20E-04	0.00E+00	3.28E-03	0.00E+00	4.30E-03	0.00E+00
Hawaii	Kauai County	15007	R	Acrolein - Primary	0.00E+00	0.00E+00	1.20E+01	1.96E-02	7.55E-01	1.24E-03	1.62E+00	2.66E-03	1.44E+01	2.35E-02
Hawaii	Maui County	15009	R	Acrolein - Primary	0.00E+00	0.00E+00	1.24E+01	1.09E-02	1.22E+00	1.08E-03	3.46E+00	3.06E-03	1.70E+01	1.51E-02
Hawaii	All Rural Counties	N/A	R	Acrylonitrile	0.00E+00	0.00E+00	5.71E-01	9.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-01	9.90E-05
Hawaii	Hawaii County	15001	R	Acrylonitrile	0.00E+00	0.00E+00	9.85E-02	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-02	2.45E-05
Hawaii	Kalawao County	15005	R	Acrylonitrile	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-06	0.00E+00
Hawaii	Kauai County	15007	R	Acrylonitrile	0.00E+00	0.00E+00	1.35E-02	2.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	2.20E-05
Hawaii	Maui County	15009	R	Acrylonitrile	0.00E+00	0.00E+00	4.59E-01	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-01	4.06E-04
Hawaii	All Rural Counties	N/A	R	Arsenic Compounds	0.00E+00	0.00E+00	5.30E-02	9.19E-06	2.32E-02	4.03E-06	7.19E-03	1.25E-06	8.34E-02	1.45E-05
Hawaii	Hawaii County	15001	R	Arsenic Compounds	0.00E+00	0.00E+00	3.15E-02	7.81E-06	1.14E-02	2.82E-06	3.04E-03	7.55E-07	4.58E-02	1.14E-05
Hawaii	Kalawao County	15005	R	Arsenic Compounds	0.00E+00	0.00E+00	3.78E-09	0.00E+00	0.00E+00	0.00E+00	6.16E-08	0.00E+00	6.54E-08	0.00E+00
Hawaii	Kauai County	15007	R	Arsenic Compounds	0.00E+00	0.00E+00	6.24E-03	1.02E-05	4.95E-03	8.09E-06	1.12E-03	1.83E-06	1.23E-02	2.01E-05
Hawaii	Maui County	15009	R	Arsenic Compounds	0.00E+00	0.00E+00	1.53E-02	1.36E-05	6.94E-03	6.14E-06	3.03E-03	2.68E-06	2.53E-02	2.24E-05
Hawaii	All Rural Counties	N/A	R	Benzene	0.00E+00	0.00E+00	2.32E+02	4.02E-02	1.29E+02	2.23E-02	9.10E+01	1.58E-02	4.52E+02	7.83E-02
Hawaii	Hawaii County	15001	R	Benzene	0.00E+00	0.00E+00	1.54E+02	3.83E-02	6.09E+01	1.51E-02	3.50E+01	8.70E-03	2.50E+02	6.21E-02
Hawaii	Kalawao County	15005	R	Benzene	0.00E+00	0.00E+00	1.04E-01	0.00E+00	1.01E-02	0.00E+00	1.34E-02	0.00E+00	1.27E-01	0.00E+00
Hawaii	Kauai County	15007	R	Benzene	0.00E+00	0.00E+00	3.71E+01	6.08E-02	2.57E+01	4.20E-02	1.53E+01	2.50E-02	7.81E+01	1.28E-01
Hawaii	Maui County	15009	R	Benzene	0.00E+00	0.00E+00	4.07E+01	3.60E-02	4.24E+01	3.75E-02	4.06E+01	3.59E-02	1.24E+02	1.09E-01
Hawaii	All Rural Counties	N/A	R	Benzidine	0.00E+00	0.00E+00								
Hawaii	Hawaii County	15001	R	Benzidine	0.00E+00	0.00E+00								
Hawaii	Kalawao County	15005	R	Benzidine	0.00E+00	0.00E+00								
Hawaii	Kauai County	15007	R	Benzidine	0.00E+00	0.00E+00								
Hawaii	Maui County	15009	R	Benzidine	0.00E+00	0.00E+00								
Hawaii	All Rural Counties	N/A	R	Beryllium Compounds	0.00E+00	0.00E+00	1.80E-03	3.11E-07	0.00E+00	0.00E+00	1.66E-05	2.88E-09	1.81E-03	3.14E-07
Hawaii	Hawaii County	15001	R	Beryllium Compounds	0.00E+00	0.00E+00	9.12E-04	2.26E-07	0.00E+00	0.00E+00	4.34E-06	1.08E-09	9.16E-04	2.27E-07
Hawaii	Kalawao County	15005	R	Beryllium Compounds	0.00E+00	0.00E+00	2.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-10	0.00E+00
Hawaii	Kauai County	15007	R	Beryllium Compounds	0.00E+00	0.00E+00	1.94E-04	3.17E-07	0.00E+00	0.00E+00	3.39E-06	5.54E-09	1.97E-04	3.23E-07
Hawaii	Maui County	15009	R	Beryllium Compounds	0.00E+00	0.00E+00	6.91E-04	6.11E-07	0.00E+00	0.00E+00	8.87E-06	7.85E-09	7.00E-04	6.19E-07
Hawaii	All Rural Counties	N/A	R	1,3-Butadiene	0.00E+00	0.00E+00	7.25E+01	1.26E-02	1.97E+01	3.41E-03	1.48E+01	2.57E-03	1.07E+02	1.85E-02
Hawaii	Hawaii County	15001	R	1,3-Butadiene	0.00E+00	0.00E+00	5.01E+01	1.24E-02	9.31E+00	2.31E-03	5.52E+00	1.37E-03	6.49E+01	1.61E-02

DRAFT FOR REVIEW ONLY

State	County	FIPS	Urban or Rural	Pollutant	Major		Area and Other		Onroad Mobile		Nonroad Mobile		Total	
					Emissions (tons/yr)	Emissions Density (tons/yr/sq. mile)								
Hawaii	Kalawao County	15005	R	1,3-Butadiene	0.00E+00	0.00E+00	3.85E-07	0.00E+00	1.59E-03	0.00E+00	6.62E-03	0.00E+00	8.20E-03	0.00E+00
Hawaii	Kauai County	15007	R	1,3-Butadiene	0.00E+00	0.00E+00	1.12E+01	1.83E-02	3.94E+00	6.44E-03	2.59E+00	4.24E-03	1.77E+01	2.90E-02
Hawaii	Maui County	15009	R	1,3-Butadiene	0.00E+00	0.00E+00	1.12E+01	9.92E-03	6.41E+00	5.67E-03	6.73E+00	5.95E-03	2.44E+01	2.15E-02
Hawaii	All Rural Counties	N/A	R	Cadmium Compounds	0.00E+00	0.00E+00	1.61E-02	2.79E-06	0.00E+00	0.00E+00	2.32E-04	4.03E-08	1.63E-02	2.83E-06
Hawaii	Hawaii County	15001	R	Cadmium Compounds	0.00E+00	0.00E+00	9.49E-03	2.36E-06	0.00E+00	0.00E+00	6.08E-05	1.51E-08	9.55E-03	2.37E-06
Hawaii	Kalawao County	15005	R	Cadmium Compounds	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-08	0.00E+00
Hawaii	Kauai County	15007	R	Cadmium Compounds	0.00E+00	0.00E+00	1.77E-03	2.90E-06	0.00E+00	0.00E+00	4.74E-05	7.76E-08	1.82E-03	2.98E-06
Hawaii	Maui County	15009	R	Cadmium Compounds	0.00E+00	0.00E+00	4.84E-03	4.28E-06	0.00E+00	0.00E+00	1.24E-04	1.10E-07	4.97E-03	4.39E-06
Hawaii	All Rural Counties	N/A	R	Carbon Disulfide	0.00E+00	0.00E+00	4.60E-01	7.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-01	7.98E-05
Hawaii	Hawaii County	15001	R	Carbon Disulfide	0.00E+00	0.00E+00	1.80E-01	4.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-01	4.47E-05
Hawaii	Kalawao County	15005	R	Carbon Disulfide	0.00E+00	0.00E+00	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-05	0.00E+00
Hawaii	Kauai County	15007	R	Carbon Disulfide	0.00E+00	0.00E+00	7.17E-02	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-02	1.17E-04
Hawaii	Maui County	15009	R	Carbon Disulfide	0.00E+00	0.00E+00	2.08E-01	1.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-01	1.84E-04
Hawaii	All Rural Counties	N/A	R	Carbon Tetrachloride	0.00E+00	0.00E+00	1.13E-01	1.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-01	1.96E-05
Hawaii	Hawaii County	15001	R	Carbon Tetrachloride	0.00E+00	0.00E+00	4.97E-02	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-02	1.23E-05
Hawaii	Kalawao County	15005	R	Carbon Tetrachloride	0.00E+00	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	0.00E+00
Hawaii	Kauai County	15007	R	Carbon Tetrachloride	0.00E+00	0.00E+00	1.97E-02	3.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-02	3.23E-05
Hawaii	Maui County	15009	R	Carbon Tetrachloride	0.00E+00	0.00E+00	4.34E-02	3.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-02	3.83E-05
Hawaii	All Rural Counties	N/A	R	Chloroform	0.00E+00	0.00E+00	5.72E+00	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E+00	9.91E-04
Hawaii	Hawaii County	15001	R	Chloroform	0.00E+00	0.00E+00	2.02E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+00	5.02E-04
Hawaii	Kalawao County	15005	R	Chloroform	0.00E+00	0.00E+00	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-04	0.00E+00
Hawaii	Kauai County	15007	R	Chloroform	0.00E+00	0.00E+00	1.72E+00	2.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+00	2.81E-03
Hawaii	Maui County	15009	R	Chloroform	0.00E+00	0.00E+00	1.98E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+00	1.75E-03
Hawaii	All Rural Counties	N/A	R	Chromium Compounds: Total	0.00E+00	0.00E+00	4.13E-02	7.17E-06	1.37E-02	2.38E-06	1.78E-03	3.09E-07	5.69E-02	9.86E-06
Hawaii	Hawaii County	15001	R	Chromium Compounds: Total	0.00E+00	0.00E+00	2.30E-02	5.70E-06	6.62E-03	1.64E-06	6.11E-04	1.52E-07	3.02E-02	7.49E-06
Hawaii	Kalawao County	15005	R	Chromium Compounds: Total	0.00E+00	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	1.89E-10	0.00E+00	3.93E-09	0.00E+00
Hawaii	Kauai County	15007	R	Chromium Compounds: Total	0.00E+00	0.00E+00	8.55E-03	1.40E-05	2.78E-03	4.55E-06	3.01E-04	4.93E-07	1.16E-02	1.90E-05
Hawaii	Maui County	15009	R	Chromium Compounds: Total	0.00E+00	0.00E+00	9.84E-03	8.70E-06	4.35E-03	3.84E-06	8.68E-04	7.67E-07	1.51E-02	1.33E-05
Hawaii	All Rural Counties	N/A	R	Chromium Compounds: Hexavalent only	0.00E+00	0.00E+00	1.22E-02	2.11E-06	5.51E-03	9.54E-07	6.05E-04	1.05E-07	1.83E-02	3.17E-06
Hawaii	Hawaii County	15001	R	Chromium Compounds: Hexavalent only	0.00E+00	0.00E+00	5.94E-03	1.48E-06	2.64E-03	6.55E-07	2.08E-04	5.16E-08	8.79E-03	2.18E-06
Hawaii	Kalawao County	15005	R	Chromium Compounds: Hexavalent only	0.00E+00	0.00E+00	2.44E-10	0.00E+00	0.00E+00	0.00E+00	6.43E-11	0.00E+00	3.08E-10	0.00E+00
Hawaii	Kauai County	15007	R	Chromium Compounds: Hexavalent only	0.00E+00	0.00E+00	4.23E-03	6.93E-06	1.13E-03	1.84E-06	1.02E-04	1.67E-07	5.46E-03	8.93E-06
Hawaii	Maui County	15009	R	Chromium Compounds: Hexavalent only	0.00E+00	0.00E+00	1.99E-03	1.76E-06	1.74E-03	1.54E-06	2.95E-04	2.61E-07	4.03E-03	3.56E-06
Hawaii	All Rural Counties	N/A	R	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	Hawaii County	15001	R	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	Kalawao County	15005	R	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	Kauai County	15007	R	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	Maui County	15009	R	Coke Oven Emissions	0.00E+00	0.00E+00								
Hawaii	All Rural Counties	N/A	R	1,4-Dichlorobenzene	0.00E+00	0.00E+00	1.26E+01	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E+01	2.18E-03
Hawaii	Hawaii County	15001	R	1,4-Dichlorobenzene	0.00E+00	0.00E+00	5.56E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E+00	1.38E-03
Hawaii	Kalawao County	15005	R	1,4-Dichlorobenzene	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00
Hawaii	Kauai County	15007	R	1,4-Dichlorobenzene	0.00E+00	0.00E+00	2.21E+00	3.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E+00	3.61E-03
Hawaii	Maui County	15009	R	1,4-Dichlorobenzene	0.00E+00	0.00E+00	4.80E+00	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E+00	4.24E-03
Hawaii	All Rural Counties	N/A	R	1,3-Dichloropropene	0.00E+00	0.00E+00	2.57E+01	4.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E+01	4.45E-03
Hawaii	Hawaii County	15001	R	1,3-Dichloropropene	0.00E+00	0.00E+00	1.14E+01	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+01	2.83E-03
Hawaii	Kalawao County	15005	R	1,3-Dichloropropene	0.00E+00	0.00E+00	4.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-03	0.00E+00
Hawaii	Kauai County	15007	R	1,3-Dichloropropene	0.00E+00	0.00E+00	4.52E+00	7.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E+00	7.40E-03
Hawaii	Maui County	15009	R	1,3-Dichloropropene	0.00E+00	0.00E+00	9.76E+00	8.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E+00	8.63E-03
Hawaii	All Rural Counties	N/A	R	Ethylene Dibromide	0.00E+00	0.00E+00	3.08E-04	5.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	5.34E-08
Hawaii	Hawaii County	15001	R	Ethylene Dibromide	0.00E+00	0.00E+00	4.84E-05	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-05	1.20E-08
Hawaii	Kalawao County	15005	R	Ethylene Dibromide	0.00E+00	0.00E+00								
Hawaii	Kauai County	15007	R	Ethylene Dibromide	0.00E+00	0.00E+00	5.69E-06	9.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-06	9.32E-09
Hawaii	Maui County	15009	R	Ethylene Dibromide	0.00E+00	0.00E+00	2.54E-04	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	2.25E-07
Hawaii	All Rural Counties	N/A	R	Ethylene Dichloride	0.00E+00	0.00E+00	6.70E-02	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-02	1.16E-05

DRAFT FOR REVIEW ONLY

State	County	FIPS	Urban or Rural	Pollutant	Major		Area and Other		Onroad Mobile		Nonroad Mobile		Total	
					Emissions (tons/yr)	Emissions Density (tons/yr/sq. mile)								
Hawaii	Hawaii County	15001	R	Ethylene Dichloride	0.00E+00	0.00E+00	1.10E-02	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	2.73E-06
Hawaii	Kalawao County	15005	R	Ethylene Dichloride	0.00E+00	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-05	0.00E+00
Hawaii	Kauai County	15007	R	Ethylene Dichloride	0.00E+00	0.00E+00	1.16E-03	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	1.90E-06
Hawaii	Maui County	15009	R	Ethylene Dichloride	0.00E+00	0.00E+00	5.48E-02	4.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-02	4.85E-05
Hawaii	All Rural Counties	N/A	R	Ethylene Oxide	0.00E+00	0.00E+00	1.84E-01	3.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-01	3.19E-05
Hawaii	Hawaii County	15001	R	Ethylene Oxide	0.00E+00	0.00E+00	8.12E-02	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-02	2.02E-05
Hawaii	Kalawao County	15005	R	Ethylene Oxide	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-06	0.00E+00
Hawaii	Kauai County	15007	R	Ethylene Oxide	0.00E+00	0.00E+00	4.95E-02	8.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-02	8.10E-05
Hawaii	Maui County	15009	R	Ethylene Oxide	0.00E+00	0.00E+00	5.34E-02	4.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-02	4.72E-05
Hawaii	All Rural Counties	N/A	R	Formaldehyde - Primary	0.00E+00	0.00E+00	4.65E+02	8.06E-02	8.42E+01	1.46E-02	8.38E+01	1.45E-02	6.33E+02	1.10E-01
Hawaii	Hawaii County	15001	R	Formaldehyde - Primary	0.00E+00	0.00E+00	3.20E+02	7.95E-02	4.01E+01	9.95E-03	3.01E+01	7.48E-03	3.90E+02	9.70E-02
Hawaii	Kalawao County	15005	R	Formaldehyde - Primary	0.00E+00	0.00E+00	1.99E+04	0.00E+00	7.16E-03	0.00E+00	2.32E-02	0.00E+00	3.06E-02	0.00E+00
Hawaii	Kauai County	15007	R	Formaldehyde - Primary	0.00E+00	0.00E+00	7.21E+01	1.18E-01	1.70E+01	2.79E-02	1.59E+01	2.60E-02	1.05E+02	1.72E-01
Hawaii	Maui County	15009	R	Formaldehyde - Primary	0.00E+00	0.00E+00	7.24E+01	6.41E-02	2.71E+01	2.40E-02	3.78E+01	3.34E-02	1.37E+02	1.21E-01
Hawaii	All Rural Counties	N/A	R	Hexachlorobenzene	0.00E+00	0.00E+00	4.30E-04	7.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	7.45E-08
Hawaii	Hawaii County	15001	R	Hexachlorobenzene	0.00E+00	0.00E+00	2.18E-04	5.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	5.41E-08
Hawaii	Kalawao County	15005	R	Hexachlorobenzene	0.00E+00	0.00E+00	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-07	0.00E+00
Hawaii	Kauai County	15007	R	Hexachlorobenzene	0.00E+00	0.00E+00	1.01E-04	1.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	1.65E-07
Hawaii	Maui County	15009	R	Hexachlorobenzene	0.00E+00	0.00E+00	1.11E-04	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-04	9.84E-08
Hawaii	All Rural Counties	N/A	R	Hexachlorobutadiene	0.00E+00	0.00E+00	5.88E-05	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-05	1.02E-08
Hawaii	Hawaii County	15001	R	Hexachlorobutadiene	0.00E+00	0.00E+00	2.61E-05	6.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-05	6.48E-09
Hawaii	Kalawao County	15005	R	Hexachlorobutadiene	0.00E+00	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	0.00E+00
Hawaii	Kauai County	15007	R	Hexachlorobutadiene	0.00E+00	0.00E+00	1.04E-05	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	1.70E-08
Hawaii	Maui County	15009	R	Hexachlorobutadiene	0.00E+00	0.00E+00	2.24E-05	1.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	1.98E-08
Hawaii	All Rural Counties	N/A	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	Hawaii County	15001	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	Kalawao County	15005	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	Kauai County	15007	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	Maui County	15009	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00								
Hawaii	All Rural Counties	N/A	R	Hydrazine	0.00E+00	0.00E+00	3.81E-06	6.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-06	6.60E-10
Hawaii	Hawaii County	15001	R	Hydrazine	0.00E+00	0.00E+00	7.61E-07	1.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-07	1.89E-10
Hawaii	Kalawao County	15005	R	Hydrazine	0.00E+00	0.00E+00								
Hawaii	Kauai County	15007	R	Hydrazine	0.00E+00	0.00E+00	7.61E-07	1.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-07	1.25E-09
Hawaii	Maui County	15009	R	Hydrazine	0.00E+00	0.00E+00	2.28E-06	2.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-06	2.02E-09
Hawaii	All Rural Counties	N/A	R	Lead Compounds	0.00E+00	0.00E+00	1.31E-01	2.27E-05	0.00E+00	0.00E+00	9.35E-01	1.62E-04	1.07E+00	1.85E-04
Hawaii	Hawaii County	15001	R	Lead Compounds	0.00E+00	0.00E+00	6.63E-02	1.65E-05	0.00E+00	0.00E+00	4.32E-01	1.07E-04	4.98E-01	1.24E-04
Hawaii	Kalawao County	15005	R	Lead Compounds	0.00E+00	0.00E+00	8.63E-06	0.00E+00	0.00E+00	0.00E+00	2.00E-02	0.00E+00	2.00E-02	0.00E+00
Hawaii	Kauai County	15007	R	Lead Compounds	0.00E+00	0.00E+00	2.67E-02	4.37E-05	0.00E+00	0.00E+00	7.11E-02	1.16E-04	9.77E-02	1.60E-04
Hawaii	Maui County	15009	R	Lead Compounds	0.00E+00	0.00E+00	3.79E-02	3.35E-05	0.00E+00	0.00E+00	4.13E-01	3.65E-04	4.51E-01	3.98E-04
Hawaii	All Rural Counties	N/A	R	Manganese Compounds	0.00E+00	0.00E+00	1.01E+00	1.76E-04	4.68E-03	8.11E-07	2.61E-03	4.52E-07	1.02E+00	1.77E-04
Hawaii	Hawaii County	15001	R	Manganese Compounds	0.00E+00	0.00E+00	4.14E-01	1.03E-04	2.24E-03	5.56E-07	8.02E-04	1.99E-07	4.17E-01	1.04E-04
Hawaii	Kalawao County	15005	R	Manganese Compounds	0.00E+00	0.00E+00	1.39E-10	0.00E+00	0.00E+00	0.00E+00	4.48E-09	0.00E+00	4.62E-09	0.00E+00
Hawaii	Kauai County	15007	R	Manganese Compounds	0.00E+00	0.00E+00	5.65E-01	9.24E-04	9.50E-04	1.56E-06	4.91E-04	8.04E-07	5.66E-01	9.27E-04
Hawaii	Maui County	15009	R	Manganese Compounds	0.00E+00	0.00E+00	3.38E-02	2.99E-05	1.49E-03	1.32E-06	1.31E-03	1.16E-06	3.66E-02	3.24E-05
Hawaii	All Rural Counties	N/A	R	Mercury Compounds	0.00E+00	0.00E+00	8.09E-03	1.40E-06	2.70E-02	4.69E-06	5.98E-03	1.04E-06	4.11E-02	7.13E-06
Hawaii	Hawaii County	15001	R	Mercury Compounds	0.00E+00	0.00E+00	4.22E-03	1.05E-06	1.33E-02	3.31E-06	2.44E-03	6.06E-07	2.00E-02	4.97E-06
Hawaii	Kalawao County	15005	R	Mercury Compounds	0.00E+00	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	5.13E-08	0.00E+00	2.92E-07	0.00E+00
Hawaii	Kauai County	15007	R	Mercury Compounds	0.00E+00	0.00E+00	1.01E-03	1.65E-06	5.80E-03	9.49E-06	9.71E-04	1.59E-06	7.78E-03	1.27E-05
Hawaii	Maui County	15009	R	Mercury Compounds	0.00E+00	0.00E+00	2.86E-03	2.53E-06	7.90E-03	6.98E-06	2.57E-03	2.27E-06	1.33E-02	1.18E-05
Hawaii	All Rural Counties	N/A	R	Methylene Chloride	0.00E+00	0.00E+00	4.41E+01	7.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E+01	7.64E-03
Hawaii	Hawaii County	15001	R	Methylene Chloride	0.00E+00	0.00E+00	1.89E+01	4.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E+01	4.70E-03
Hawaii	Kalawao County	15005	R	Methylene Chloride	0.00E+00	0.00E+00	9.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.52E-03	0.00E+00
Hawaii	Kauai County	15007	R	Methylene Chloride	0.00E+00	0.00E+00	7.54E+00	1.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E+00	1.23E-02
Hawaii	Maui County	15009	R	Methylene Chloride	0.00E+00	0.00E+00	1.76E+01	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+01	1.55E-02

DRAFT FOR REVIEW ONLY

State	County	FIPS	Urban or Rural	Pollutant	Major		Area and Other		Onroad Mobile		Nonroad Mobile		Total	
					Emissions (tons/yr)	Emissions Density (tons/yr/sq. mile)								
Hawaii	All Rural Counties	N/A	R	Nickel Compounds	0.00E+00	0.00E+00	2.91E+00	5.04E-04	1.05E-02	1.81E-06	4.23E-02	7.34E-06	2.96E+00	5.13E-04
Hawaii	Hawaii County	15001	R	Nickel Compounds	0.00E+00	0.00E+00	1.83E+00	4.53E-04	5.03E-03	1.25E-06	1.09E-02	2.72E-06	1.84E+00	4.57E-04
Hawaii	Kalawao County	15005	R	Nickel Compounds	0.00E+00	0.00E+00	4.77E-09	0.00E+00	0.00E+00	0.00E+00	6.68E-09	0.00E+00	1.15E-08	0.00E+00
Hawaii	Kauai County	15007	R	Nickel Compounds	0.00E+00	0.00E+00	1.49E-01	2.44E-04	2.12E-03	3.46E-06	1.03E-02	1.69E-05	1.61E-01	2.64E-04
Hawaii	Maui County	15009	R	Nickel Compounds	0.00E+00	0.00E+00	9.32E-01	8.24E-04	3.31E-03	2.93E-06	2.11E-02	1.86E-05	9.57E-01	8.46E-04
Hawaii	All Rural Counties	N/A	R	Perchloroethylene	0.00E+00	0.00E+00	2.36E+01	4.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E+01	4.09E-03
Hawaii	Hawaii County	15001	R	Perchloroethylene	0.00E+00	0.00E+00	7.47E+00	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E+00	1.86E-03
Hawaii	Kalawao County	15005	R	Perchloroethylene	0.00E+00	0.00E+00	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-04	0.00E+00
Hawaii	Kauai County	15007	R	Perchloroethylene	0.00E+00	0.00E+00	5.85E+00	9.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E+00	9.58E-03
Hawaii	Maui County	15009	R	Perchloroethylene	0.00E+00	0.00E+00	1.03E+01	9.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+01	9.07E-03
Hawaii	All Rural Counties	N/A	R	Polychlorinated Biphenyls	0.00E+00	0.00E+00	5.24E-02	9.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-02	9.08E-06
Hawaii	Hawaii County	15001	R	Polychlorinated Biphenyls	0.00E+00	0.00E+00	2.70E-02	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-02	6.70E-06
Hawaii	Kalawao County	15005	R	Polychlorinated Biphenyls	0.00E+00	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	0.00E+00
Hawaii	Kauai County	15007	R	Polychlorinated Biphenyls	0.00E+00	0.00E+00	1.22E-02	2.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-02	2.01E-05
Hawaii	Maui County	15009	R	Polychlorinated Biphenyls	0.00E+00	0.00E+00	1.31E-02	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	1.16E-05
Hawaii	All Rural Counties	N/A	R	Polycyclic Organic Matter	0.00E+00	0.00E+00	1.98E+01	3.43E-03	3.96E+00	6.86E-04	5.27E+00	9.13E-04	2.90E+01	5.03E-03
Hawaii	Hawaii County	15001	R	Polycyclic Organic Matter	0.00E+00	0.00E+00	1.15E+01	2.86E-03	1.89E+00	4.69E-04	1.61E+00	3.99E-04	1.50E+01	3.73E-03
Hawaii	Kalawao County	15005	R	Polycyclic Organic Matter	0.00E+00	0.00E+00	7.08E-03	0.00E+00	2.95E-04	0.00E+00	1.74E-02	0.00E+00	2.47E-02	0.00E+00
Hawaii	Kauai County	15007	R	Polycyclic Organic Matter	0.00E+00	0.00E+00	3.29E+00	5.39E-03	8.04E-01	1.32E-03	1.11E+00	1.82E-03	5.21E+00	8.53E-03
Hawaii	Maui County	15009	R	Polycyclic Organic Matter	0.00E+00	0.00E+00	4.97E+00	4.39E-03	1.27E+00	1.12E-03	2.53E+00	2.24E-03	8.76E+00	7.75E-03
Hawaii	All Rural Counties	N/A	R	7-PAH	0.00E+00	0.00E+00	4.71E+00	8.17E-04	2.99E-02	5.19E-06	4.08E-02	7.06E-06	4.79E+00	8.29E-04
Hawaii	Hawaii County	15001	R	7-PAH	0.00E+00	0.00E+00	3.22E+00	7.99E-04	1.47E-02	3.64E-06	1.30E-02	3.22E-06	3.24E+00	8.06E-04
Hawaii	Kalawao County	15005	R	7-PAH	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	2.56E-04	0.00E+00
Hawaii	Kauai County	15007	R	7-PAH	0.00E+00	0.00E+00	7.46E-01	1.22E-03	6.24E-03	1.02E-05	8.03E-03	1.31E-05	7.60E-01	1.24E-03
Hawaii	Maui County	15009	R	7-PAH	0.00E+00	0.00E+00	7.52E-01	6.65E-04	9.02E-03	7.98E-06	1.96E-02	1.74E-05	7.80E-01	6.90E-04
Hawaii	All Rural Counties	N/A	R	Propylene Dichloride	0.00E+00	0.00E+00	3.36E-02	5.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-02	5.83E-06
Hawaii	Hawaii County	15001	R	Propylene Dichloride	0.00E+00	0.00E+00	5.53E-03	1.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-03	1.37E-06
Hawaii	Kalawao County	15005	R	Propylene Dichloride	0.00E+00	0.00E+00	1.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-07	0.00E+00
Hawaii	Kauai County	15007	R	Propylene Dichloride	0.00E+00	0.00E+00	6.48E-04	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	1.06E-06
Hawaii	Maui County	15009	R	Propylene Dichloride	0.00E+00	0.00E+00	2.75E-02	2.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-02	2.43E-05
Hawaii	All Rural Counties	N/A	R	Quinoline	0.00E+00	0.00E+00	9.09E-06	1.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-06	1.58E-09
Hawaii	Hawaii County	15001	R	Quinoline	0.00E+00	0.00E+00	1.82E-06	4.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.51E-10
Hawaii	Kalawao County	15005	R	Quinoline	0.00E+00	0.00E+00								
Hawaii	Kauai County	15007	R	Quinoline	0.00E+00	0.00E+00	1.82E-06	2.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	2.98E-09
Hawaii	Maui County	15009	R	Quinoline	0.00E+00	0.00E+00	5.45E-06	4.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-06	4.82E-09
Hawaii	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	0.00E+00	0.00E+00	2.99E-01	5.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-01	5.18E-05
Hawaii	Hawaii County	15001	R	1,1,2,2-Tetrachloroethane	0.00E+00	0.00E+00	4.66E-02	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-02	1.16E-05
Hawaii	Kalawao County	15005	R	1,1,2,2-Tetrachloroethane	0.00E+00	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-08	0.00E+00
Hawaii	Kauai County	15007	R	1,1,2,2-Tetrachloroethane	0.00E+00	0.00E+00	4.24E-03	6.94E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03	6.94E-06
Hawaii	Maui County	15009	R	1,1,2,2-Tetrachloroethane	0.00E+00	0.00E+00	2.48E-01	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-01	2.19E-04
Hawaii	All Rural Counties	N/A	R	Trichloroethylene	0.00E+00	0.00E+00	5.64E+00	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E+00	9.78E-04
Hawaii	Hawaii County	15001	R	Trichloroethylene	0.00E+00	0.00E+00	1.97E+00	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E+00	4.88E-04
Hawaii	Kalawao County	15005	R	Trichloroethylene	0.00E+00	0.00E+00	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	0.00E+00
Hawaii	Kauai County	15007	R	Trichloroethylene	0.00E+00	0.00E+00	8.97E-01	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-01	1.47E-03
Hawaii	Maui County	15009	R	Trichloroethylene	0.00E+00	0.00E+00	2.78E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E+00	2.46E-03
Hawaii	All Rural Counties	N/A	R	Vinyl Chloride	0.00E+00	0.00E+00	7.36E-01	1.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-01	1.28E-04
Hawaii	Hawaii County	15001	R	Vinyl Chloride	0.00E+00	0.00E+00	1.15E-01	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-01	2.85E-05
Hawaii	Kalawao County	15005	R	Vinyl Chloride	0.00E+00	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-07	0.00E+00
Hawaii	Kauai County	15007	R	Vinyl Chloride	0.00E+00	0.00E+00	1.05E-02	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-02	1.72E-05
Hawaii	Maui County	15009	R	Vinyl Chloride	0.00E+00	0.00E+00	6.10E-01	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-01	5.40E-04