

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for Montana

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

- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- The emissions used in this assessment do not reflect potentially significant emission reductions that have taken effect since 1996, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.
- Methods of estimating emissions as well as simplified modeling assumptions may introduce significant uncertainties into each component of the assessment.
[For a discussion of limitations please see http://www.epa.gov/ttn/atw/nata/natsalim2.html](http://www.epa.gov/ttn/atw/nata/natsalim2.html)
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.

				Estimated Annual Median Exposure Concentrations (ug/m3) for Montana												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
National	All	99999	-	2.33E-04	4.79E-02	5.20E-02	4.82E-01	7.21E-02	5.62E-04	4.83E-05	1.19E+00	8.35E-06	3.90E-05	6.41E-01	6.90E-02	5.15E-04
National	All Urban Counties	99998	U	3.50E-04	5.93E-02	6.60E-02	6.45E-01	8.89E-02	8.39E-04	6.25E-05	1.41E+00	1.08E-05	5.90E-05	6.41E-01	6.96E-02	8.25E-04
National	All Rural Counties	99998	R	3.62E-05	1.30E-02	7.09E-03	1.15E-01	3.03E-02	7.64E-05	1.01E-05	6.01E-01	1.09E-06	4.79E-06	6.40E-01	6.80E-02	5.05E-05
Montana	State Total	30000	-	3.08E-06	1.23E-02	2.70E-03	4.91E-02	2.69E-02	7.14E-06	2.81E-06	5.35E-01	3.98E-07	1.54E-06	6.40E-01	6.79E-02	8.27E-06
Montana	State Urban Counties	30000	U	1.65E-05	4.33E-02	2.41E-02	1.35E-01	3.74E-02	3.35E-05	1.94E-05	8.69E-01	3.88E-06	1.44E-05	6.39E-01	6.80E-02	5.77E-05
Montana	State Rural Counties	30000	R	5.86E-07	5.01E-03	3.79E-04	2.26E-02	1.18E-02	1.99E-06	3.00E-07	4.58E-01	5.05E-08	2.27E-07	6.41E-01	6.78E-02	1.57E-06
Montana	Beaverhead County	30001	R	8.44E-10	9.86E-03	5.50E-04	2.04E-02	2.42E-02	1.78E-07	3.53E-07	4.66E-01	1.18E-07	2.18E-07	6.34E-01	6.79E-02	1.84E-06
Montana	Big Horn County	30003	R	2.75E-08	1.84E-03	2.55E-04	1.23E-02	4.71E-03	3.93E-07	2.19E-07	4.29E-01	3.82E-08	1.95E-07	6.35E-01	6.78E-02	9.35E-07
Montana	Blaine County	30005	R	7.67E-10	9.01E-04	1.61E-04	2.08E-02	1.60E-03	1.65E-07	4.56E-08	4.20E-01	1.47E-08	4.62E-08	6.41E-01	6.79E-02	2.66E-07
Montana	Broadwater County	30007	R	3.11E-06	7.40E-03	6.73E-04	3.21E-02	1.97E-02	6.59E-06	1.26E-06	4.93E-01	9.27E-08	4.74E-07	6.38E-01	6.77E-02	7.69E-06
Montana	Carbon County	30009	R	7.55E-06	7.68E-03	1.35E-03	3.94E-02	2.01E-02	1.38E-05	2.73E-06	5.11E-01	4.93E-07	4.49E-06	6.47E-01	6.77E-02	2.13E-05
Montana	Carter County	30011	R	6.79E-06	2.04E-04	3.02E-05	3.93E-03	3.48E-04	1.17E-05	8.80E-09	4.09E-01	2.78E-09	1.50E-08	6.39E-01	6.79E-02	6.06E-08
Montana	Cascade County	30013	U	2.34E-05	3.81E-02	2.51E-02	1.18E-01	2.76E-02	4.59E-05	1.77E-05	8.35E-01	3.74E-06	1.89E-05	6.38E-01	6.79E-02	6.62E-05
Montana	Chouteau County	30015	R	5.93E-09	7.37E-04	1.44E-04	3.81E-03	1.54E-03	1.32E-07	4.41E-08	4.17E-01	1.34E-08	4.48E-08	6.38E-01	6.78E-02	2.01E-07
Montana	Custer County	30017	U	2.44E-06	5.86E-03	7.15E-03	2.01E-02	3.03E-03	6.11E-06	3.13E-06	5.24E-01	1.02E-06	1.57E-06	6.39E-01	6.79E-02	5.24E-06
Montana	Daniels County	30019	R	7.63E-10	4.63E-04	1.02E-04	4.13E-03	4.77E-04	1.60E-07	3.25E-08	4.14E-01	1.04E-08	4.34E-08	6.44E-01	6.78E-02	2.12E-07
Montana	Dawson County	30021	U	2.30E-09	3.90E-03	2.91E-03	1.44E-02	2.04E-03	4.85E-07	8.48E-07	4.57E-01	2.81E-07	4.59E-07	6.43E-01	6.78E-02	2.01E-06
Montana	Deer Lodge County	30023	U	1.42E-06	3.41E-02	5.94E-03	7.43E-02	5.75E-02	6.55E-06	1.89E-06	6.14E-01	6.07E-07	2.39E-06	6.40E-01	6.78E-02	7.18E-06
Montana	Fallon County	30025	R	7.13E-10	4.56E-04	1.03E-04	3.67E-03	4.22E-04	1.50E-07	2.86E-08	4.17E-01	9.50E-09	1.28E-08	6.45E-01	6.76E-02	2.12E-07
Montana	Fergus County	30027	U	1.39E-06	3.05E-03	2.46E-04	1.64E-02	1.04E-02	2.61E-06	6.87E-08	4.39E-01	2.00E-08	9.91E-08	6.43E-01	6.78E-02	5.83E-07
Montana	Flathead County	30029	R	2.33E-05	5.20E-02	1.21E-02	2.45E-01	1.30E-01	4.62E-05	4.24E-06	1.02E+00	1.27E-06	2.41E-06	6.39E-01	6.80E-02	2.06E-05
Montana	Gallatin County	30031	U	1.65E-05	1.40E-01	5.19E-02	2.16E-01	9.47E-02	3.34E-05	1.12E-05	1.74E+00	3.78E-06	6.16E-06	6.39E-01	6.81E-02	3.30E-05
Montana	Garfield County	30033	R	2.22E-10	3.27E-04	3.17E-05	3.34E-03	3.04E-04	4.67E-08	8.68E-09	4.16E-01	2.71E-09	1.63E-08	6.48E-01	6.77E-02	6.59E-08
Montana	Glacier County	30035	R	3.77E-09	4.23E-03	5.74E-04	1.60E-02	1.00E-02	4.22E-07	1.48E-07	4.49E-01	4.89E-08	1.08E-07	6.36E-01	6.78E-02	1.12E-06
Montana	Golden Valley County	30037	R	6.25E-08	1.40E-03	1.13E-04	6.38E-03	3.85E-03	4.39E-07	3.14E-08	4.21E-01	9.81E-09	3.17E-08	6.45E-01	6.75E-02	5.87E-07
Montana	Granite County	30039	R	2.02E-09	7.34E-03	2.36E-04	2.81E-02	2.96E-02	4.25E-07	8.84E-08	4.70E-01	2.37E-08	1.12E-07	6.43E-01	6.79E-02	5.24E-07
Montana	Hill County	30041	U	3.20E-09	3.98E-03	1.53E-04	1.25E-02	4.71E-03	1.26E-06	1.27E-07	4.36E-01	4.13E-08	1.35E-07	6.40E-01	6.78E-02	6.44E-07
Montana	Jefferson County	30043	R	5.27E-07	7.82E-03	1.56E-03	3.62E-02	1.92E-02	1.95E-06	1.05E-05	4.89E-01	6.86E-07	9.75E-06	6.40E-01	6.79E-02	7.00E-05
Montana	Judith Basin County	30045	R	1.20E-06	4.40E-03	7.29E-05	1.73E-02	1.03E-02	2.19E-06	2.35E-08	4.36E-01	7.78E-09	1.97E-08	6.37E-01	6.76E-02	1.93E-07
Montana	Lake County	30047	R	8.33E-06	9.73E-03	1.63E-03	5.58E-02	3.12E-02	1.66E-05	1.85E-06	5.54E-01	2.17E-07	1.06E-06	6.37E-01	6.78E-02	6.40E-06
Montana	Lewis and Clark Coun	30049	U	3.13E-06	4.51E-02	2.69E-02	1.78E-01	5.72E-02	8.77E-06	2.24E-04	8.50E-01	1.31E-05	2.14E-04	6.41E-01	6.79E-02	8.88E-04
Montana	Liberty County	30051	R	6.07E-06	1.16E-03	1.44E-04	7.02E-03	1.40E-03	1.09E-05	4.57E-08	4.19E-01	1.34E-08	9.74E-08	6.36E-01	6.77E-02	4.50E-07
Montana	Lincoln County	30053	R	3.63E-05	1.79E-02	1.60E-03	5.79E-02	5.37E-02	6.38E-05	7.77E-07	5.91E-01	8.08E-08	3.24E-07	6.39E-01	6.77E-02	1.75E-06
Montana	McCone County	30055	R	8.21E-07	2.92E-04	1.08E-04	3.54E-03	4.63E-04	1.50E-06	2.83E-08	4.14E-01	9.35E-09	3.16E-08	6.39E-01	6.76E-02	1.55E-07

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State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
National	All	99999	-	0.00E+00	1.07E+00	6.08E-03	5.27E-02	1.25E-03	6.77E-01	7.51E-05	3.71E-08	1.54E-03	1.06E-03	1.33E-03	2.72E-01	7.43E-04
National	All Urban Counties	99998	U	0.00E+00	1.30E+00	6.08E-03	5.28E-02	1.80E-03	8.22E-01	7.51E-05	6.61E-08	2.50E-03	1.32E-03	1.40E-03	3.22E-01	1.10E-03
National	All Rural Counties	99998	R	0.00E+00	4.63E-01	6.08E-03	5.26E-02	1.05E-04	3.45E-01	7.51E-05	9.29E-10	1.45E-04	2.38E-04	1.21E-03	1.40E-01	8.37E-05
Montana	State Total	30000	-	0.00E+00	9.96E-02	6.08E-03	5.25E-02	3.65E-05	3.01E-01	7.51E-05	1.97E-10	8.05E-05	6.00E-05	1.19E-03	1.27E-01	1.66E-05
Montana	State Urban Counties	30000	U	0.00E+00	2.44E-01	6.08E-03	5.26E-02	5.31E-04	4.06E-01	7.52E-05	5.29E-09	8.77E-04	4.34E-04	1.21E-03	1.68E-01	1.58E-04
Montana	State Rural Counties	30000	R	0.00E+00	6.17E-02	6.08E-03	5.25E-02	8.98E-06	2.35E-01	7.51E-05	0.00E+00	1.15E-05	7.95E-06	1.19E-03	1.21E-01	3.48E-06
Montana	Beaverhead County	30001	R	0.00E+00	5.82E-02	6.08E-03	5.28E-02	2.77E-05	2.74E-01	7.53E-05	0.00E+00	1.21E-05	1.01E-05	1.19E-03	1.25E-01	3.93E-06
Montana	Big Horn County	30003	R	0.00E+00	5.06E-02	6.08E-03	5.27E-02	9.88E-06	1.96E-01	7.50E-05	0.00E+00	4.75E-06	7.33E-06	1.18E-03	1.21E-01	1.40E-06
Montana	Blaine County	30005	R	0.00E+00	3.58E-02	6.10E-03	5.24E-02	1.78E-06	1.94E-01	7.53E-05	3.97E-13	1.56E-06	1.86E-06	1.19E-03	1.20E-01	4.85E-07
Montana	Broadwater County	30007	R	0.00E+00	7.72E-02	6.08E-03	5.23E-02	8.95E-06	2.59E-01	7.50E-05	8.13E-11	1.99E-05	1.55E-04	1.19E-03	1.22E-01	4.22E-06
Montana	Carbon County	30009	R	0.00E+00	8.25E-02	6.08E-03	5.23E-02	2.70E-05	2.69E-01	7.50E-05	5.84E-12	2.95E-05	5.26E-05	1.19E-03	1.28E-01	8.09E-05
Montana	Carter County	30011	R	0.00E+00	3.35E-02	6.10E-03	5.28E-02	3.25E-08	1.78E-01	7.52E-05	9.31E-11	2.26E-07	4.26E-07	1.19E-03	1.20E-01	8.17E-08
Montana	Cascade County	30013	U	0.00E+00	2.89E-01	6.08E-03	5.25E-02	5.22E-04	3.51E-01	7.52E-05	3.62E-09	1.22E-03	4.30E-04	1.21E-03	1.76E-01	2.49E-04
Montana	Chouteau County	30015	R	0.00E+00	6.14E-02	6.09E-03	5.28E-02	5.22E-06	1.83E-01	7.51E-05	6.60E-11	1.43E-06	1.86E-06	1.19E-03	1.21E-01	5.36E-07
Montana	Custer County	30017	U	0.00E+00	1.18E-01	6.08E-03	5.26E-02	9.00E-04	2.06E-01	7.51E-05	1.16E-08	2.87E-04	7.58E-05	1.19E-03	1.48E-01	5.06E-05
Montana	Daniels County	30019	R	0.00E+00	4.85E-02	6.09E-03	5.25E-02	3.21E-06	1.80E-01	7.53E-05	0.00E+00	6.58E-07	1.45E-06	1.19E-03	1.21E-01	3.46E-07
Montana	Dawson County	30021	U	0.00E+00	8.25E-02	6.08E-03	5.27E-02	5.23E-05	1.97E-01	7.51E-05	0.00E+00	4.41E-05	2.25E-05	1.19E-03	1.25E-01	8.32E-06
Montana	Deer Lodge County	30023	U	0.00E+00	1.13E-01	6.08E-03	5.26E-02	4.56E-04	4.27E-01	7.50E-05	2.65E-11	7.21E-05	4.65E-05	1.21E-03	1.30E-01	2.09E-05
Montana	Fallon County	30025	R	0.00E+00	4.62E-02	6.09E-03	5.22E-02	2.15E-06	1.81E-01	7.50E-05	0.00E+00	1.07E-06	1.37E-06	1.19E-03	1.20E-01	3.02E-07
Montana	Fergus County	30027	U	0.00E+00	5.38E-02	6.09E-03	5.25E-02	4.91E-06	2.21E-01	7.51E-05	0.00E+00	2.16E-05	2.84E-06	1.19E-03	1.21E-01	1.08E-06
Montana	Flathead County	30029	R	0.00E+00	2.73E-01	6.08E-03	5.26E-02	1.23E-04	7.62E-01	7.52E-05	3.03E-09	5.32E-04	1.39E-04	1.20E-03	1.43E-01	6.01E-05
Montana	Gallatin County	30031	U	0.00E+00	2.73E-01	6.09E-03	5.27E-02	4.89E-05	6.84E-01	7.53E-05	3.73E-09	3.27E-04	5.74E-04	1.20E-03	1.67E-01	5.45E-05
Montana	Garfield County	30033	R	0.00E+00	2.99E-02	6.10E-03	5.21E-02	2.80E-08	1.80E-01	7.50E-05	0.00E+00	2.47E-07	4.21E-07	1.19E-03	1.19E-01	8.23E-08
Montana	Glacier County	30035	R	0.00E+00	6.50E-02	6.07E-03	5.26E-02	1.45E-05	2.07E-01	7.50E-05	0.00E+00	3.41E-06	6.83E-06	1.18E-03	1.22E-01	1.66E-06
Montana	Golden Valley County	30037	R	0.00E+00	5.27E-02	6.06E-03	5.21E-02	5.43E-07	1.93E-01	7.48E-05	0.00E+00	5.62E-07	1.60E-06	1.18E-03	1.20E-01	1.66E-05
Montana	Granite County	30039	R	0.00E+00	5.61E-02	6.08E-03	5.26E-02	1.04E-05	2.85E-01	7.51E-05	0.00E+00	1.79E-06	4.26E-06	1.19E-03	1.20E-01	1.14E-06
Montana	Hill County	30041	U	0.00E+00	6.53E-02	6.08E-03	5.26E-02	1.34E-05	2.07E-01	7.52E-05	1.96E-10	7.54E-06	4.17E-06	1.19E-03	1.22E-01	1.24E-06
Montana	Jefferson County	30043	R	0.00E+00	6.41E-02	6.06E-03	5.27E-02	1.98E-05	2.59E-01	7.51E-05	6.23E-10	1.66E-04	4.04E-05	1.19E-03	1.24E-01	6.20E-06
Montana	Judith Basin County	30045	R	0.00E+00	5.45E-02	6.08E-03	5.23E-02	4.66E-07	2.23E-01	7.51E-05	0.00E+00	6.27E-07	1.19E-06	1.19E-03	1.21E-01	2.28E-07
Montana	Lake County	30047	R	0.00E+00	1.08E-01	6.08E-03	5.25E-02	2.75E-05	3.09E-01	7.50E-05	3.70E-10	4.07E-05	1.71E-04	1.19E-03	1.24E-01	8.24E-06
Montana	Lewis and Clark Coun	30049	U	0.00E+00	1.99E-01	6.08E-03	5.25E-02	2.63E-04	4.87E-01	7.51E-05	4.73E-09	2.22E-03	3.49E-04	1.21E-03	1.65E-01	1.04E-04
Montana	Liberty County	30051	R	0.00E+00	7.79E-02	6.08E-03	5.26E-02	4.77E-06	1.84E-01	7.52E-05	2.19E-11	2.89E-06	1.91E-06	1.19E-03	1.20E-01	6.07E-07
Montana	Lincoln County	30053	R	0.00E+00	8.95E-02	6.08E-03	5.25E-02	6.22E-06	3.87E-01	7.50E-05	1.99E-10	6.70E-06	8.44E-05	1.19E-03	1.26E-01	3.57E-06
Montana	McCone County	30055	R	0.00E+00	4.35E-02	6.07E-03	5.23E-02	1.67E-07	1.79E-01	7.48E-05	0.00E+00	6.27E-06	1.09E-06	1.18E-03	1.20E-01	2.46E-07

1996 Modeled Exposure Concentrations for Montana

EPA strongly cautions that these modeling results should not be used to draw conclusions about local concentrations or risk. The results are most meaningful when viewed at the state or national level. The results are less certain. In addition, these results represent conditions in 1996 rather than current conditions.

- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- The emissions used in this assessment do not reflect potentially significant emission reductions that have taken effect since 1996, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.
- Methods of estimating emissions as well as simplified modeling assumptions may introduce significant uncertainties into each component of the assessment.
[For a discussion of limitations please see http://www.epa.gov/ttn/atw/nata/natsalim2.html](http://www.epa.gov/ttn/atw/nata/natsalim2.html)
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.

				Estimated Annual Median Exposure Concentrations (ug/m3) for Montana											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
National	All	99999	-	3.00E-04	1.84E-01	4.27E-02	3.11E-05	1.85E-07	9.86E-02	7.61E-04					
National	All Urban Counties	99998	U	3.00E-04	2.13E-01	5.26E-02	4.73E-05	3.22E-07	1.12E-01	1.16E-03					
National	All Rural Counties	99998	R	3.00E-04	1.14E-01	9.18E-03	4.85E-06	1.07E-08	7.06E-02	1.05E-04					
Montana	State Total	30000	-	3.00E-04	1.09E-01	5.36E-03	4.53E-07	1.21E-09	6.84E-02	8.10E-06					
Montana	State Urban Counties	30000	U	3.00E-04	1.33E-01	2.31E-02	2.37E-06	1.71E-08	7.52E-02	4.45E-05					
Montana	State Rural Counties	30000	R	3.00E-04	1.06E-01	2.45E-03	1.08E-07	0.00E+00	6.76E-02	1.53E-06					
Montana	Beaverhead County	30001	R	3.00E-04	1.09E-01	4.17E-03	5.55E-09	0.00E+00	6.79E-02	3.09E-09					
Montana	Big Horn County	30003	R	3.00E-04	1.05E-01	7.48E-04	1.37E-08	0.00E+00	6.75E-02	6.71E-08					
Montana	Blaine County	30005	R	3.01E-04	1.05E-01	2.66E-04	5.94E-09	3.63E-12	6.74E-02	4.89E-09					
Montana	Broadwater County	30007	R	3.00E-04	1.06E-01	2.65E-03	3.92E-07	1.69E-09	6.77E-02	8.54E-06					
Montana	Carbon County	30009	R	3.00E-04	1.09E-01	3.61E-03	8.48E-07	1.55E-10	6.81E-02	1.77E-05					
Montana	Carter County	30011	R	3.01E-04	1.05E-01	6.03E-05	7.45E-07	4.90E-10	6.74E-02	1.59E-05					
Montana	Cascade County	30013	U	3.00E-04	1.40E-01	2.26E-02	2.85E-06	1.04E-08	7.62E-02	5.57E-05					
Montana	Chouteau County	30015	R	3.01E-04	1.06E-01	2.11E-04	5.86E-09	3.10E-10	6.75E-02	2.36E-08					
Montana	Custer County	30017	U	3.00E-04	1.12E-01	7.39E-03	5.75E-07	3.25E-08	7.35E-02	6.75E-06					
Montana	Daniels County	30019	R	3.01E-04	1.05E-01	8.80E-05	5.00E-09	0.00E+00	6.74E-02	2.78E-09					
Montana	Dawson County	30021	U	3.00E-04	1.09E-01	2.23E-03	1.53E-08	0.00E+00	6.81E-02	8.77E-09					
Montana	Deer Lodge County	30023	U	3.00E-04	1.08E-01	1.15E-02	2.85E-07	4.13E-10	6.89E-02	3.36E-06					
Montana	Fallon County	30025	R	3.01E-04	1.05E-01	7.45E-05	4.68E-09	0.00E+00	6.71E-02	2.61E-09					
Montana	Fergus County	30027	U	3.00E-04	1.06E-01	1.49E-03	1.59E-07	0.00E+00	6.74E-02	3.26E-06					
Montana	Flathead County	30029	R	3.00E-04	1.14E-01	2.93E-02	2.78E-06	9.57E-09	7.17E-02	5.47E-05					
Montana	Gallatin County	30031	U	3.00E-04	1.30E-01	4.21E-02	2.05E-06	1.35E-08	6.97E-02	4.83E-05					
Montana	Garfield County	30033	R	3.01E-04	1.06E-01	3.07E-05	1.45E-09	0.00E+00	6.70E-02	8.11E-10					
Montana	Glacier County	30035	R	2.99E-04	1.06E-01	1.34E-03	1.75E-08	0.00E+00	6.78E-02	1.37E-08					
Montana	Golden Valley County	30037	R	2.99E-04	1.06E-01	4.54E-04	1.71E-08	0.00E+00	6.70E-02	1.49E-07					
Montana	Granite County	30039	R	3.00E-04	1.06E-01	3.86E-03	1.33E-08	0.00E+00	6.75E-02	7.38E-09					
Montana	Hill County	30041	U	3.00E-04	1.07E-01	1.08E-03	1.04E-07	6.76E-10	6.81E-02	5.81E-07					
Montana	Jefferson County	30043	R	2.99E-04	1.08E-01	3.53E-03	1.11E-07	2.50E-09	6.87E-02	1.41E-06					
Montana	Judith Basin County	30045	R	3.00E-04	1.06E-01	1.49E-03	1.34E-07	0.00E+00	6.72E-02	2.81E-06					
Montana	Lake County	30047	R	3.00E-04	1.07E-01	4.24E-03	9.87E-07	2.43E-09	6.79E-02	1.96E-05					
Montana	Lewis and Clark Coun	30049	U	3.00E-04	1.64E-01	2.78E-02	5.42E-07	1.48E-08	7.52E-02	8.47E-06					
Montana	Liberty County	30051	R	3.00E-04	1.05E-01	2.16E-04	6.75E-07	1.04E-10	6.74E-02	1.43E-05					
Montana	Lincoln County	30053	R	3.00E-04	1.09E-01	7.05E-03	4.01E-06	8.75E-10	6.86E-02	8.51E-05					
Montana	McCone County	30055	R	3.00E-04	1.06E-01	8.48E-05	9.21E-08	0.00E+00	6.72E-02	1.92E-06					

				Estimated Annual Median Exposure Concentrations (ug/m3) for Montana												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
Montana	Madison County	30057	R	3.37E-09	6.68E-03	2.66E-04	2.42E-02	2.67E-02	6.89E-07	7.98E-08	4.70E-01	2.44E-08	5.86E-08	6.48E-01	6.78E-02	6.49E-07
Montana	Meagher County	30059	R	2.71E-10	2.99E-03	4.08E-05	8.10E-03	7.90E-03	5.69E-08	1.23E-08	4.23E-01	3.85E-09	1.73E-08	6.46E-01	6.75E-02	8.05E-08
Montana	Mineral County	30061	R	1.82E-06	8.44E-03	4.63E-04	4.85E-02	3.45E-02	3.86E-06	5.72E-07	5.21E-01	5.05E-08	2.27E-07	6.38E-01	6.81E-02	1.57E-06
Montana	Missoula County	30063	U	6.82E-05	9.43E-02	4.98E-02	3.02E-01	1.15E-01	1.29E-04	5.82E-05	1.54E+00	7.51E-06	2.17E-05	6.38E-01	6.82E-02	1.04E-04
Montana	Musselshell County	30065	R	4.14E-06	1.51E-03	3.11E-04	6.40E-03	2.34E-03	7.41E-06	8.20E-08	4.25E-01	2.70E-08	5.60E-08	6.45E-01	6.76E-02	5.35E-07
Montana	Park County	30067	R	4.33E-07	1.48E-02	3.25E-03	4.17E-02	3.70E-02	1.50E-06	3.43E-06	5.28E-01	2.44E-07	6.74E-06	6.41E-01	6.80E-02	1.49E-05
Montana	Petroleum County	30069	R	5.79E-07	2.29E-04	2.14E-05	1.91E-03	9.20E-04	1.05E-06	6.01E-09	4.11E-01	1.82E-09	7.18E-09	6.47E-01	6.76E-02	6.15E-08
Montana	Phillips County	30071	R	4.49E-10	4.06E-04	3.14E-05	3.38E-03	4.30E-04	9.42E-08	1.00E-08	4.10E-01	2.84E-09	1.42E-08	6.42E-01	6.79E-02	1.28E-07
Montana	Pondera County	30073	R	2.21E-07	1.89E-03	2.83E-04	9.66E-03	4.48E-03	7.28E-07	8.19E-08	4.28E-01	2.59E-08	9.37E-08	6.44E-01	6.76E-02	5.89E-07
Montana	Powder River County	30075	R	5.73E-10	6.78E-04	1.03E-04	3.96E-03	1.33E-03	1.20E-07	2.69E-08	4.14E-01	9.05E-09	1.23E-08	6.40E-01	6.77E-02	1.87E-07
Montana	Powell County	30077	U	5.78E-07	6.90E-03	3.78E-04	4.14E-02	3.04E-02	2.15E-06	2.61E-07	4.91E-01	9.41E-08	3.55E-07	6.34E-01	6.83E-02	2.90E-06
Montana	Prairie County	30079	R	8.02E-08	2.18E-04	4.68E-05	2.09E-03	2.84E-04	2.84E-07	1.38E-08	4.08E-01	4.25E-09	1.58E-08	6.32E-01	6.77E-02	1.34E-07
Montana	Ravalli County	30081	R	1.68E-08	2.60E-02	4.15E-03	9.28E-02	5.13E-02	3.59E-06	4.78E-06	6.35E-01	4.23E-07	1.61E-06	6.47E-01	6.78E-02	1.22E-05
Montana	Richland County	30083	R	2.60E-06	2.24E-03	7.62E-04	1.44E-02	3.17E-03	5.29E-06	2.08E-06	4.36E-01	1.76E-07	4.27E-07	6.43E-01	6.77E-02	2.35E-06
Montana	Roosevelt County	30085	R	1.17E-05	9.86E-04	2.70E-04	1.05E-02	1.25E-03	2.06E-05	3.56E-07	4.26E-01	4.49E-08	2.19E-07	6.42E-01	6.78E-02	1.14E-06
Montana	Rosebud County	30087	R	1.01E-06	9.20E-04	3.24E-04	7.08E-03	1.72E-03	2.03E-06	1.03E-05	4.19E-01	5.54E-07	1.36E-06	6.41E-01	6.76E-02	6.21E-06
Montana	Sanders County	30089	R	5.86E-07	1.09E-02	4.45E-04	3.46E-02	3.39E-02	1.50E-06	5.33E-07	5.03E-01	3.77E-08	1.86E-07	6.41E-01	6.77E-02	1.47E-06
Montana	Sheridan County	30091	R	3.40E-06	8.04E-04	1.75E-04	6.91E-03	8.67E-04	6.37E-06	6.55E-08	4.20E-01	2.12E-08	1.49E-07	6.38E-01	6.78E-02	3.91E-07
Montana	Silver Bow County	30093	U	1.96E-06	4.23E-02	3.59E-02	1.06E-01	5.68E-02	6.38E-06	1.15E-05	8.12E-01	3.79E-06	5.58E-06	6.39E-01	6.79E-02	2.72E-05
Montana	Stillwater County	30095	R	8.89E-07	4.33E-03	5.36E-04	2.01E-02	1.36E-02	1.83E-06	4.65E-06	4.52E-01	3.30E-07	8.16E-06	6.43E-01	6.77E-02	3.88E-05
Montana	Sweet Grass County	30097	R	1.79E-09	7.43E-03	2.92E-04	2.93E-02	2.10E-02	3.76E-07	1.87E-07	4.62E-01	2.87E-08	4.60E-07	6.54E-01	6.74E-02	9.99E-07
Montana	Teton County	30099	R	9.47E-07	3.24E-03	3.72E-04	1.83E-02	9.03E-03	2.22E-06	1.16E-07	4.38E-01	3.48E-08	2.67E-07	6.39E-01	6.79E-02	1.22E-06
Montana	Toole County	30101	U	3.75E-06	5.61E-04	1.89E-04	7.01E-03	8.86E-04	6.73E-06	5.73E-08	4.17E-01	1.85E-08	2.70E-08	6.39E-01	6.79E-02	4.05E-07
Montana	Treasure County	30103	R	9.96E-07	4.74E-04	6.10E-05	3.19E-03	5.27E-04	2.04E-06	2.18E-08	4.14E-01	6.15E-09	3.72E-08	6.48E-01	6.77E-02	2.74E-07
Montana	Valley County	30105	R	1.12E-09	3.47E-04	2.44E-04	4.53E-03	5.44E-04	1.66E-07	3.67E-08	4.11E-01	1.23E-08	5.19E-08	6.36E-01	6.76E-02	2.83E-07
Montana	Wheatland County	30107	R	1.06E-09	2.73E-03	4.76E-05	7.13E-03	5.59E-03	2.23E-07	4.17E-08	4.29E-01	1.32E-08	5.37E-08	6.42E-01	6.78E-02	2.97E-07
Montana	Wibaux County	30109	R	1.07E-09	4.60E-04	1.74E-04	4.70E-03	4.90E-04	2.25E-07	5.55E-08	4.06E-01	1.72E-08	5.35E-08	6.43E-01	6.76E-02	3.27E-07
Montana	Yellowstone County	30111	U	3.76E-05	6.07E-02	3.65E-02	2.60E-01	4.46E-02	7.90E-05	5.86E-05	1.30E+00	8.21E-06	7.32E-05	6.40E-01	6.83E-02	3.40E-04
Montana	Yellowstone National	30113	R	5.23E-07	9.90E-03	1.55E-04	2.40E-02	2.68E-02	1.55E-06	7.40E-08	3.70E-01	2.16E-08	1.10E-07	5.02E-01	5.09E-02	3.63E-07

				Estimated Annual Median Exposure Concentrations (ug/m3) for Montana												
State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
Montana	Madison County	30057	R	0.00E+00	5.17E-02	6.09E-03	5.26E-02	2.89E-06	2.76E-01	7.51E-05	0.00E+00	1.05E-06	3.22E-06	1.19E-03	1.21E-01	1.25E-06
Montana	Meagher County	30059	R	0.00E+00	4.31E-02	6.07E-03	5.23E-02	1.53E-06	2.08E-01	7.48E-05	0.00E+00	2.58E-07	5.45E-07	1.18E-03	1.20E-01	1.42E-07
Montana	Mineral County	30061	R	0.00E+00	7.86E-02	6.09E-03	5.30E-02	9.97E-06	3.10E-01	7.53E-05	0.00E+00	6.91E-06	4.64E-05	1.19E-03	1.22E-01	3.48E-06
Montana	Missoula County	30063	U	0.00E+00	3.72E-01	6.08E-03	5.27E-02	8.15E-04	8.14E-01	7.51E-05	1.56E-08	1.18E-03	1.11E-03	1.22E-03	1.99E-01	1.75E-04
Montana	Musselshell County	30065	R	0.00E+00	5.28E-02	6.08E-03	5.24E-02	4.63E-06	1.89E-01	7.49E-05	0.00E+00	8.97E-07	3.94E-06	1.19E-03	1.21E-01	8.04E-07
Montana	Park County	30067	R	0.00E+00	6.55E-02	6.07E-03	5.25E-02	2.27E-05	3.20E-01	7.50E-05	8.03E-12	5.07E-04	2.60E-05	1.20E-03	1.27E-01	3.19E-05
Montana	Petroleum County	30069	R	0.00E+00	3.23E-02	6.07E-03	5.23E-02	1.20E-07	1.81E-01	7.49E-05	0.00E+00	1.31E-07	2.97E-07	1.18E-03	1.21E-01	8.30E-08
Montana	Phillips County	30071	R	0.00E+00	2.80E-02	6.07E-03	5.25E-02	3.58E-07	1.81E-01	7.50E-05	0.00E+00	3.76E-07	4.76E-07	1.18E-03	1.20E-01	1.82E-07
Montana	Pondera County	30073	R	0.00E+00	6.62E-02	6.09E-03	5.21E-02	7.91E-06	1.97E-01	7.50E-05	2.40E-13	2.46E-06	3.47E-06	1.19E-03	1.21E-01	1.03E-06
Montana	Powder River County	30075	R	0.00E+00	3.50E-02	6.08E-03	5.24E-02	7.23E-08	1.82E-01	7.50E-05	0.00E+00	2.08E-07	1.39E-06	1.19E-03	1.20E-01	2.46E-07
Montana	Powell County	30077	U	0.00E+00	5.98E-02	6.09E-03	5.34E-02	9.60E-06	2.99E-01	7.55E-05	5.21E-12	8.91E-06	1.18E-05	1.19E-03	1.21E-01	1.83E-06
Montana	Prairie County	30079	R	0.00E+00	3.70E-02	6.07E-03	5.28E-02	2.04E-06	1.75E-01	7.49E-05	2.03E-10	1.06E-06	6.60E-07	1.18E-03	1.20E-01	1.71E-07
Montana	Ravalli County	30081	R	0.00E+00	1.11E-01	6.09E-03	5.23E-02	4.48E-05	4.15E-01	7.51E-05	5.28E-10	3.99E-05	4.88E-04	1.19E-03	1.27E-01	1.45E-05
Montana	Richland County	30083	R	0.00E+00	8.51E-02	6.08E-03	5.23E-02	2.76E-05	2.03E-01	7.51E-05	0.00E+00	3.45E-05	7.95E-06	1.19E-03	1.22E-01	4.91E-06
Montana	Roosevelt County	30085	R	0.00E+00	8.50E-02	6.08E-03	5.27E-02	1.54E-06	1.90E-01	7.50E-05	0.00E+00	5.52E-06	2.71E-06	1.19E-03	1.23E-01	2.56E-06
Montana	Rosebud County	30087	R	0.00E+00	3.77E-02	6.08E-03	5.25E-02	6.75E-06	1.86E-01	7.50E-05	0.00E+00	1.24E-05	1.35E-05	1.19E-03	1.21E-01	8.46E-06
Montana	Sanders County	30089	R	0.00E+00	7.53E-02	6.08E-03	5.25E-02	1.18E-05	3.08E-01	7.50E-05	2.44E-12	5.15E-06	5.66E-05	1.18E-03	1.21E-01	3.15E-06
Montana	Sheridan County	30091	R	0.00E+00	7.45E-02	6.09E-03	5.26E-02	3.05E-06	1.83E-01	7.51E-05	0.00E+00	2.80E-06	2.43E-06	1.19E-03	1.21E-01	7.73E-07
Montana	Silver Bow County	30093	U	0.00E+00	1.52E-01	6.08E-03	5.26E-02	6.12E-04	4.33E-01	7.51E-05	5.82E-09	1.31E-03	3.79E-04	1.20E-03	1.75E-01	1.10E-04
Montana	Stillwater County	30095	R	0.00E+00	6.13E-02	6.08E-03	5.24E-02	8.90E-06	2.27E-01	7.51E-05	1.92E-12	2.88E-05	5.64E-05	1.19E-03	1.35E-01	3.04E-04
Montana	Sweet Grass County	30097	R	0.00E+00	5.11E-02	6.08E-03	5.18E-02	3.56E-07	2.61E-01	7.48E-05	0.00E+00	3.62E-05	4.20E-06	1.19E-03	1.21E-01	3.82E-06
Montana	Teton County	30099	R	0.00E+00	7.63E-02	6.09E-03	5.27E-02	4.41E-06	2.19E-01	7.53E-05	1.07E-12	1.79E-05	5.25E-06	1.19E-03	1.21E-01	1.41E-06
Montana	Toole County	30101	U	0.00E+00	5.38E-02	6.08E-03	5.27E-02	6.87E-06	1.83E-01	7.52E-05	2.15E-10	1.30E-06	2.42E-06	1.19E-03	1.20E-01	8.26E-07
Montana	Treasure County	30103	R	0.00E+00	3.92E-02	6.06E-03	5.22E-02	5.80E-07	1.81E-01	7.50E-05	0.00E+00	6.82E-07	8.76E-07	1.18E-03	1.20E-01	3.90E-07
Montana	Valley County	30105	R	0.00E+00	3.60E-02	6.07E-03	5.25E-02	2.28E-06	1.77E-01	7.49E-05	0.00E+00	8.67E-06	1.45E-06	1.18E-03	1.20E-01	4.16E-07
Montana	Wheatland County	30107	R	0.00E+00	5.24E-02	6.08E-03	5.25E-02	1.05E-05	2.00E-01	7.51E-05	0.00E+00	8.29E-07	1.87E-06	1.19E-03	1.20E-01	4.54E-07
Montana	Wibaux County	30109	R	0.00E+00	5.83E-02	6.08E-03	5.21E-02	5.81E-06	1.80E-01	7.50E-05	0.00E+00	1.80E-06	2.29E-06	1.19E-03	1.21E-01	6.07E-07
Montana	Yellowstone County	30111	U	0.00E+00	3.57E-01	6.08E-03	5.25E-02	1.06E-03	4.87E-01	7.51E-05	1.30E-08	1.60E-03	9.60E-04	1.27E-03	1.94E-01	1.06E-03
Montana	Yellowstone National	30113	R	0.00E+00	2.84E-02	4.61E-03	3.86E-02	3.06E-06	2.41E-01	5.65E-05	2.86E-12	2.08E-06	1.84E-06	8.98E-04	9.13E-02	1.33E-06

				Estimated Annual Median Exposure Concentrations (ug/m3) for Montana											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
Montana	Madison County	30057	R	3.00E-04	1.06E-01	3.71E-03	2.21E-08	0.00E+00	6.75E-02	1.23E-08					
Montana	Meagher County	30059	R	3.00E-04	1.05E-01	1.09E-03	1.78E-09	0.00E+00	6.70E-02	9.88E-10					
Montana	Mineral County	30061	R	3.00E-04	1.06E-01	4.47E-03	2.21E-07	0.00E+00	6.81E-02	4.28E-06					
Montana	Missoula County	30063	U	3.00E-04	1.69E-01	5.02E-02	8.71E-06	7.29E-08	8.26E-02	1.64E-04					
Montana	Musselshell County	30065	R	3.00E-04	1.06E-01	4.20E-04	4.59E-07	0.00E+00	6.73E-02	9.71E-06					
Montana	Park County	30067	R	3.00E-04	1.15E-01	6.16E-03	7.24E-08	1.71E-10	6.83E-02	1.21E-06					
Montana	Petroleum County	30069	R	3.00E-04	1.06E-01	1.20E-04	6.44E-08	0.00E+00	6.72E-02	1.36E-06					
Montana	Phillips County	30071	R	3.00E-04	1.06E-01	9.48E-05	2.95E-09	0.00E+00	6.74E-02	1.64E-09					
Montana	Pondera County	30073	R	3.00E-04	1.06E-01	6.76E-04	3.48E-08	3.64E-12	6.73E-02	5.20E-07					
Montana	Powder River County	30075	R	3.00E-04	1.05E-01	1.87E-04	3.75E-09	0.00E+00	6.73E-02	2.09E-09					
Montana	Powell County	30077	U	3.00E-04	1.06E-01	3.71E-03	1.04E-07	1.49E-10	6.83E-02	1.39E-06					
Montana	Prairie County	30079	R	3.00E-04	1.05E-01	4.09E-05	2.01E-08	8.36E-10	6.74E-02	2.13E-07					
Montana	Ravalli County	30081	R	3.00E-04	1.13E-01	9.29E-03	1.29E-07	2.33E-09	6.81E-02	1.25E-07					
Montana	Richland County	30083	R	3.00E-04	1.07E-01	1.12E-03	3.08E-07	0.00E+00	6.77E-02	6.10E-06					
Montana	Roosevelt County	30085	R	3.00E-04	1.06E-01	2.06E-04	1.29E-06	0.00E+00	6.75E-02	2.74E-05					
Montana	Rosebud County	30087	R	3.00E-04	1.06E-01	3.29E-04	1.20E-07	0.00E+00	6.74E-02	2.39E-06					
Montana	Sanders County	30089	R	3.00E-04	1.06E-01	4.71E-03	7.96E-08	4.61E-11	6.74E-02	1.38E-06					
Montana	Sheridan County	30091	R	3.00E-04	1.05E-01	1.61E-04	3.87E-07	0.00E+00	6.74E-02	7.96E-06					
Montana	Silver Bow County	30093	U	3.00E-04	1.24E-01	3.63E-02	4.52E-07	1.67E-08	7.54E-02	5.25E-06					
Montana	Stillwater County	30095	R	3.00E-04	1.06E-01	2.02E-03	1.07E-07	8.29E-11	6.79E-02	2.08E-06					
Montana	Sweet Grass County	30097	R	3.00E-04	1.07E-01	2.84E-03	1.17E-08	0.00E+00	6.70E-02	6.53E-09					
Montana	Teton County	30099	R	3.01E-04	1.06E-01	1.18E-03	1.23E-07	2.88E-11	6.79E-02	2.22E-06					
Montana	Toole County	30101	U	3.00E-04	1.05E-01	2.50E-04	4.24E-07	9.51E-10	6.75E-02	8.84E-06					
Montana	Treasure County	30103	R	2.99E-04	1.06E-01	6.31E-05	1.18E-07	0.00E+00	6.73E-02	2.34E-06					
Montana	Valley County	30105	R	2.99E-04	1.05E-01	1.21E-04	5.17E-09	0.00E+00	6.73E-02	4.06E-09					
Montana	Wheatland County	30107	R	3.00E-04	1.06E-01	8.05E-04	6.93E-09	0.00E+00	6.74E-02	3.87E-09					
Montana	Wibaux County	30109	R	3.00E-04	1.06E-01	1.51E-04	7.01E-09	0.00E+00	6.71E-02	3.90E-09					
Montana	Yellowstone County	30111	U	3.00E-04	1.60E-01	3.87E-02	4.86E-06	4.05E-08	8.21E-02	8.93E-05					
Montana	Yellowstone National	30113	R	2.27E-04	8.16E-02	3.58E-03	7.74E-08	5.51E-11	5.03E-02	1.28E-06					