

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for Minnesota

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 scale. 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 Minnesota												
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
Minnesota	State Total	27000	-	7.09E-05	1.75E-01	2.81E-02	2.61E-01	1.08E-01	2.39E-04	6.30E-05	1.39E+00	6.65E-06	8.88E-05	6.42E-01	6.84E-02	7.87E-04
Minnesota	State Urban Counties	27000	U	1.40E-04	2.53E-01	6.21E-02	9.51E-01	2.57E-01	4.54E-04	1.11E-04	2.23E+00	1.23E-05	4.41E-04	6.42E-01	6.99E-02	1.93E-03
Minnesota	State Rural Counties	27000	R	1.13E-05	1.66E-02	2.32E-03	5.12E-02	2.28E-02	3.57E-05	2.32E-06	5.51E-01	3.44E-07	2.78E-06	6.41E-01	6.78E-02	4.47E-05
Minnesota	Aitkin County	27001	R	4.80E-06	1.54E-02	8.14E-04	4.21E-02	2.93E-02	1.70E-05	6.07E-07	5.92E-01	1.32E-07	9.66E-07	6.40E-01	6.77E-02	1.39E-05
Minnesota	Anoka County	27003	U	1.39E-04	2.70E-01	2.80E-02	8.31E-01	2.41E-01	4.74E-04	6.68E-05	2.05E+00	1.00E-05	2.81E-04	6.43E-01	7.01E-02	1.66E-03
Minnesota	Becker County	27005	R	1.60E-05	3.14E-02	3.06E-03	5.71E-02	2.72E-02	5.70E-05	1.72E-06	7.37E-01	3.78E-07	2.82E-06	6.41E-01	6.79E-02	4.71E-05
Minnesota	Beltrami County	27007	R	6.63E-06	5.81E-02	8.34E-03	6.75E-02	4.68E-02	2.37E-05	8.64E-06	6.99E-01	6.51E-07	4.30E-06	6.42E-01	6.78E-02	7.51E-05
Minnesota	Benton County	27009	U	6.20E-05	3.00E-02	1.09E-02	1.27E-01	4.13E-02	1.40E-04	1.15E-05	7.76E-01	1.68E-06	8.91E-06	6.36E-01	6.79E-02	2.04E-04
Minnesota	Big Stone County	27011	R	3.72E-06	4.23E-03	8.48E-04	2.31E-02	4.00E-03	1.34E-05	3.58E-06	4.45E-01	2.51E-07	1.07E-06	6.42E-01	6.77E-02	1.31E-05
Minnesota	Blue Earth County	27013	U	3.05E-05	1.20E-01	2.39E-02	9.18E-02	3.90E-02	1.13E-04	1.26E-05	7.44E-01	3.11E-06	1.67E-05	6.41E-01	6.81E-02	3.25E-04
Minnesota	Brown County	27015	U	1.63E-05	3.22E-02	5.57E-03	3.92E-02	1.38E-02	5.79E-05	2.58E-06	4.99E-01	6.63E-07	3.63E-06	6.40E-01	6.79E-02	1.85E-04
Minnesota	Carlton County	27017	R	1.07E-05	2.19E-02	3.71E-03	6.26E-02	3.52E-02	3.06E-05	6.09E-05	5.92E-01	1.07E-06	1.29E-05	6.38E-01	6.86E-02	1.26E-04
Minnesota	Carver County	27019	U	5.55E-05	6.86E-02	2.46E-02	5.00E-01	1.46E-01	2.03E-04	4.88E-05	1.24E+00	3.78E-06	3.26E-04	6.40E-01	6.86E-02	6.58E-04
Minnesota	Cass County	27021	R	5.90E-06	1.91E-02	1.53E-03	5.63E-02	3.72E-02	2.09E-05	1.04E-06	6.64E-01	1.53E-07	1.15E-06	6.44E-01	6.78E-02	2.45E-05
Minnesota	Chippewa County	27023	R	1.68E-05	9.79E-03	2.34E-03	3.13E-02	9.51E-03	5.92E-05	1.44E-06	4.68E-01	2.76E-07	1.45E-06	6.36E-01	6.80E-02	3.45E-05
Minnesota	Chisago County	27025	U	5.74E-05	2.58E-02	8.24E-03	1.35E-01	3.86E-02	1.79E-04	1.09E-05	6.91E-01	9.34E-07	2.19E-05	6.42E-01	6.82E-02	1.34E-04
Minnesota	Clay County	27027	U	2.80E-05	1.13E-01	3.39E-02	1.05E-01	2.28E-02	8.15E-05	3.75E-05	7.95E-01	4.76E-06	1.39E-05	6.43E-01	6.81E-02	3.12E-04
Minnesota	Clearwater County	27029	R	1.62E-06	9.94E-03	9.62E-04	3.36E-02	2.31E-02	5.75E-06	1.24E-06	4.96E-01	1.09E-07	9.50E-07	6.44E-01	6.81E-02	1.72E-05
Minnesota	Cook County	27031	R	8.13E-07	2.10E-02	2.38E-04	6.14E-02	3.38E-02	2.89E-06	6.18E-07	6.88E-01	7.35E-08	2.91E-07	6.37E-01	6.74E-02	5.15E-06
Minnesota	Cottonwood County	27033	R	7.12E-06	5.31E-03	1.36E-03	2.52E-02	7.47E-03	2.27E-05	7.46E-07	4.52E-01	1.56E-07	1.29E-06	6.40E-01	6.77E-02	2.28E-05
Minnesota	Crow Wing County	27035	R	7.84E-06	4.02E-02	4.02E-03	8.24E-02	4.72E-02	2.78E-05	2.31E-06	8.57E-01	4.96E-07	2.88E-06	6.37E-01	6.79E-02	7.97E-05
Minnesota	Dakota County	27037	U	2.05E-04	2.24E-01	6.73E-02	9.06E-01	2.69E-01	6.56E-04	1.69E-04	1.98E+00	1.13E-05	6.53E-04	6.43E-01	7.05E-02	2.46E-03
Minnesota	Dodge County	27039	R	1.68E-05	1.38E-02	3.30E-03	4.81E-02	1.46E-02	6.00E-05	2.12E-06	5.00E-01	3.46E-07	3.44E-06	6.45E-01	6.78E-02	4.78E-05
Minnesota	Douglas County	27041	R	1.56E-05	3.72E-02	5.76E-03	5.78E-02	1.92E-02	4.77E-05	2.60E-06	5.64E-01	6.33E-07	7.27E-06	6.45E-01	6.79E-02	7.12E-05
Minnesota	Faribault County	27043	R	2.90E-05	7.17E-03	1.41E-03	2.96E-02	8.18E-03	7.97E-05	9.19E-07	4.57E-01	1.73E-07	1.93E-06	6.43E-01	6.79E-02	2.32E-05
Minnesota	Fillmore County	27045	R	1.16E-05	9.55E-03	2.11E-03	4.55E-02	1.48E-02	3.61E-05	1.17E-06	5.00E-01	2.45E-07	2.31E-06	6.43E-01	6.77E-02	3.25E-05
Minnesota	Freeborn County	27047	U	3.34E-05	1.05E-01	1.76E-02	6.57E-02	2.54E-02	1.11E-04	9.31E-06	6.50E-01	2.19E-06	9.04E-06	6.41E-01	6.78E-02	2.28E-04
Minnesota	Goodhue County	27049	R	2.50E-05	1.82E-02	6.26E-03	8.23E-02	2.15E-02	8.88E-05	1.52E-05	5.52E-01	9.51E-07	4.26E-05	6.43E-01	6.80E-02	1.43E-04
Minnesota	Grant County	27051	R	3.03E-05	4.95E-03	1.16E-03	2.67E-02	7.89E-03	5.61E-05	8.51E-07	4.57E-01	1.41E-07	3.57E-06	6.40E-01	6.77E-02	1.69E-05
Minnesota	Hennepin County	27053	U	1.62E-04	3.37E-01	8.54E-02	1.20E+00	3.24E-01	5.47E-04	1.31E-04	2.83E+00	1.67E-05	6.09E-04	6.41E-01	7.03E-02	3.07E-03
Minnesota	Houston County	27055	R	1.16E-05	1.36E-02	4.02E-03	6.26E-02	2.25E-02	3.06E-05	9.32E-06	5.38E-01	1.08E-06	4.79E-06	6.38E-01	6.78E-02	5.75E-05

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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
Minnesota	State Total	27000	-	0.00E+00	7.29E-01	6.08E-03	5.32E-02	7.47E-04	5.59E-01	7.50E-05	2.00E-08	1.45E-03	5.59E-04	1.32E-03	2.20E-01	1.25E-03
Minnesota	State Urban Counties	27000	U	0.00E+00	1.18E+00	6.08E-03	5.36E-02	1.36E-03	1.05E+00	7.50E-05	5.25E-08	3.73E-03	7.16E-04	1.55E-03	3.45E-01	2.14E-03
Minnesota	State Rural Counties	27000	R	0.00E+00	3.14E-01	6.08E-03	5.26E-02	4.87E-05	2.62E-01	7.50E-05	5.01E-11	6.59E-05	3.08E-05	1.20E-03	1.27E-01	7.03E-05
Minnesota	Aitkin County	27001	R	0.00E+00	1.71E-01	6.08E-03	5.23E-02	1.28E-05	2.79E-01	7.50E-05	0.00E+00	2.48E-05	7.95E-06	1.19E-03	1.22E-01	1.87E-05
Minnesota	Anoka County	27003	U	0.00E+00	9.74E-01	6.08E-03	5.36E-02	9.68E-04	9.45E-01	7.50E-05	5.92E-08	2.18E-03	5.24E-04	1.43E-03	3.13E-01	1.88E-03
Minnesota	Becker County	27005	R	0.00E+00	2.29E-01	6.08E-03	5.28E-02	5.63E-05	2.68E-01	7.51E-05	4.60E-10	1.08E-04	2.02E-05	1.20E-03	1.28E-01	6.73E-05
Minnesota	Beltrami County	27007	R	0.00E+00	1.57E-01	6.09E-03	5.25E-02	1.63E-04	3.76E-01	7.51E-05	0.00E+00	1.40E-04	9.67E-04	1.20E-03	1.35E-01	9.55E-05
Minnesota	Benton County	27009	U	0.00E+00	4.30E-01	6.08E-03	5.29E-02	7.40E-05	3.24E-01	7.50E-05	5.54E-10	3.13E-04	2.69E-04	1.21E-03	1.43E-01	2.37E-04
Minnesota	Big Stone County	27011	R	0.00E+00	2.82E-01	6.08E-03	5.25E-02	2.87E-05	2.00E-01	7.51E-05	8.71E-11	1.24E-05	8.71E-06	1.19E-03	1.21E-01	1.53E-05
Minnesota	Blue Earth County	27013	U	0.00E+00	5.77E-01	6.08E-03	5.29E-02	3.96E-04	3.07E-01	7.51E-05	8.52E-09	4.00E-04	1.01E-04	1.26E-03	1.96E-01	5.66E-04
Minnesota	Brown County	27015	U	0.00E+00	4.19E-01	6.08E-03	5.26E-02	1.09E-04	2.29E-01	7.50E-05	1.41E-11	6.03E-05	2.20E-05	1.21E-03	1.28E-01	1.07E-04
Minnesota	Carlton County	27017	R	0.00E+00	1.87E-01	6.08E-03	5.28E-02	8.70E-05	3.11E-01	7.52E-05	2.73E-10	1.02E-04	1.03E-03	1.22E-03	1.27E-01	4.22E-04
Minnesota	Carver County	27019	U	0.00E+00	7.65E-01	6.08E-03	5.31E-02	5.86E-04	6.61E-01	7.50E-05	2.17E-08	1.80E-03	2.63E-04	1.34E-03	2.46E-01	7.03E-04
Minnesota	Cass County	27021	R	0.00E+00	1.64E-01	6.09E-03	5.25E-02	1.06E-05	3.14E-01	7.51E-05	0.00E+00	1.72E-05	2.27E-05	1.19E-03	1.22E-01	3.25E-05
Minnesota	Chippewa County	27023	R	0.00E+00	3.55E-01	6.08E-03	5.29E-02	3.05E-05	2.14E-01	7.50E-05	8.64E-11	1.89E-05	1.05E-05	1.19E-03	1.26E-01	4.93E-05
Minnesota	Chisago County	27025	U	0.00E+00	5.35E-01	6.09E-03	5.30E-02	9.11E-05	3.50E-01	7.52E-05	5.50E-10	1.71E-04	1.49E-04	1.23E-03	1.35E-01	1.61E-04
Minnesota	Clay County	27027	U	0.00E+00	3.67E-01	6.08E-03	5.26E-02	3.82E-04	2.88E-01	7.52E-05	7.27E-10	2.71E-04	2.65E-04	1.22E-03	1.81E-01	4.71E-04
Minnesota	Clearwater County	27029	R	0.00E+00	1.33E-01	6.10E-03	5.27E-02	2.19E-05	2.70E-01	7.53E-05	0.00E+00	3.97E-05	8.14E-05	1.19E-03	1.22E-01	2.01E-05
Minnesota	Cook County	27031	R	0.00E+00	4.16E-02	6.07E-03	5.19E-02	7.85E-06	3.02E-01	7.48E-05	0.00E+00	7.44E-06	5.41E-05	1.18E-03	1.20E-01	5.18E-06
Minnesota	Cottonwood County	27033	R	0.00E+00	3.46E-01	6.08E-03	5.24E-02	1.68E-05	2.07E-01	7.49E-05	3.77E-10	1.60E-05	8.70E-06	1.19E-03	1.23E-01	3.19E-05
Minnesota	Crow Wing County	27035	R	0.00E+00	2.37E-01	6.08E-03	5.28E-02	1.49E-04	3.29E-01	7.50E-05	2.43E-13	8.69E-05	2.18E-05	1.20E-03	1.29E-01	7.47E-05
Minnesota	Dakota County	27037	U	0.00E+00	1.15E+00	6.08E-03	5.38E-02	1.02E-03	1.08E+00	7.50E-05	5.41E-08	1.21E-02	7.89E-04	1.55E-03	3.32E-01	2.56E-03
Minnesota	Dodge County	27039	R	0.00E+00	4.23E-01	6.07E-03	5.26E-02	5.10E-05	2.33E-01	7.49E-05	1.16E-09	9.00E-05	1.47E-05	1.21E-03	1.30E-01	1.29E-04
Minnesota	Douglas County	27041	R	0.00E+00	3.01E-01	6.09E-03	5.27E-02	6.85E-05	2.52E-01	7.51E-05	1.27E-09	2.45E-04	2.94E-05	1.25E-03	1.30E-01	1.09E-04
Minnesota	Faribault County	27043	R	0.00E+00	3.68E-01	6.09E-03	5.26E-02	2.01E-05	2.15E-01	7.51E-05	3.28E-09	4.87E-05	1.43E-05	1.19E-03	1.24E-01	4.35E-05
Minnesota	Fillmore County	27045	R	0.00E+00	3.63E-01	6.08E-03	5.24E-02	4.88E-05	2.42E-01	7.49E-05	1.01E-10	7.14E-05	1.30E-05	1.20E-03	1.24E-01	3.93E-05
Minnesota	Freeborn County	27047	U	0.00E+00	5.03E-01	6.08E-03	5.27E-02	1.98E-04	2.93E-01	7.49E-05	5.91E-09	8.71E-05	6.51E-05	1.20E-03	2.06E-01	3.80E-04
Minnesota	Goodhue County	27049	R	0.00E+00	5.00E-01	6.08E-03	5.26E-02	7.88E-05	2.65E-01	7.50E-05	5.06E-10	8.64E-04	5.48E-05	1.29E-03	1.39E-01	4.24E-04
Minnesota	Grant County	27051	R	0.00E+00	2.55E-01	6.07E-03	5.26E-02	2.08E-05	2.06E-01	7.49E-05	7.18E-10	8.96E-05	5.80E-06	1.20E-03	1.23E-01	1.73E-04
Minnesota	Hennepin County	27053	U	0.00E+00	1.55E+00	6.08E-03	5.39E-02	2.35E-03	1.29E+00	7.50E-05	9.45E-08	5.10E-03	7.79E-04	1.65E-03	4.62E-01	3.12E-03
Minnesota	Houston County	27055	R	0.00E+00	3.67E-01	6.07E-03	5.26E-02	8.42E-05	2.64E-01	7.50E-05	2.16E-09	5.12E-05	5.59E-05	1.20E-03	1.30E-01	1.09E-04

1996 Modeled Exposure Concentrations for Minnesota

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 scale. 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 Minnesota											
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					
Minnesota	State Total	27000	-	3.00E-04	1.36E-01	2.21E-01	8.92E-06	9.66E-08	9.43E-02	8.00E-04					
Minnesota	State Urban Counties	27000	U	3.00E-04	1.91E-01	3.45E-01	1.22E-05	3.44E-07	1.63E-01	2.57E-03					
Minnesota	State Rural Counties	27000	R	3.00E-04	1.07E-01	2.21E-02	5.83E-07	8.60E-10	6.76E-02	6.62E-05					
Minnesota	Aitkin County	27001	R	3.00E-04	1.06E-01	1.55E-02	5.95E-09	0.00E+00	6.72E-02	2.29E-05					
Minnesota	Anoka County	27003	U	3.00E-04	1.83E-01	3.20E-01	1.15E-05	3.26E-07	1.43E-01	3.05E-03					
Minnesota	Becker County	27005	R	3.00E-04	1.08E-01	4.47E-02	1.01E-06	1.89E-09	6.80E-02	4.33E-05					
Minnesota	Beltrami County	27007	R	3.01E-04	1.10E-01	6.37E-02	4.29E-07	0.00E+00	6.74E-02	3.07E-05					
Minnesota	Benton County	27009	U	3.00E-04	1.11E-01	6.02E-02	9.58E-06	3.32E-09	8.03E-02	2.71E-04					
Minnesota	Big Stone County	27011	R	3.00E-04	1.06E-01	4.07E-03	1.58E-08	1.33E-09	6.73E-02	1.02E-05					
Minnesota	Blue Earth County	27013	U	3.00E-04	1.26E-01	1.16E-01	7.28E-06	2.77E-08	6.87E-02	8.77E-04					
Minnesota	Brown County	27015	U	3.00E-04	1.07E-01	2.94E-02	1.14E-05	3.98E-10	6.75E-02	1.91E-04					
Minnesota	Carlton County	27017	R	3.00E-04	1.09E-01	3.67E-02	1.21E-06	3.79E-09	6.95E-02	3.68E-05					
Minnesota	Carver County	27019	U	3.00E-04	1.35E-01	1.24E-01	7.36E-06	1.62E-07	9.23E-02	6.97E-04					
Minnesota	Cass County	27021	R	3.00E-04	1.07E-01	2.33E-02	2.92E-08	0.00E+00	6.73E-02	2.25E-05					
Minnesota	Chippewa County	27023	R	3.00E-04	1.07E-01	1.27E-02	4.42E-08	1.48E-09	6.77E-02	1.02E-04					
Minnesota	Chisago County	27025	U	3.00E-04	1.13E-01	5.01E-02	5.92E-07	1.10E-08	7.97E-02	1.93E-04					
Minnesota	Clay County	27027	U	3.00E-04	1.36E-01	1.09E-01	1.01E-05	3.94E-09	7.40E-02	1.70E-04					
Minnesota	Clearwater County	27029	R	3.01E-04	1.07E-01	1.58E-02	6.48E-08	0.00E+00	6.77E-02	5.83E-06					
Minnesota	Cook County	27031	R	2.99E-04	1.05E-01	5.98E-03	1.13E-07	0.00E+00	6.68E-02	1.29E-05					
Minnesota	Cottonwood County	27033	R	3.00E-04	1.06E-01	7.86E-03	3.91E-07	1.87E-09	6.73E-02	6.93E-05					
Minnesota	Crow Wing County	27035	R	3.00E-04	1.07E-01	6.07E-02	1.64E-07	2.62E-12	6.74E-02	7.11E-05					
Minnesota	Dakota County	27037	U	3.00E-04	2.02E-01	3.22E-01	1.40E-05	3.66E-07	1.54E-01	3.00E-03					
Minnesota	Dodge County	27039	R	3.00E-04	1.10E-01	1.86E-02	2.49E-06	7.46E-09	6.77E-02	1.82E-04					
Minnesota	Douglas County	27041	R	3.01E-04	1.10E-01	4.06E-02	6.40E-07	5.45E-09	6.76E-02	1.45E-04					
Minnesota	Faribault County	27043	R	3.00E-04	1.07E-01	8.21E-03	2.75E-06	1.18E-08	6.85E-02	1.41E-04					
Minnesota	Fillmore County	27045	R	3.00E-04	1.08E-01	1.61E-02	1.63E-06	1.71E-09	6.74E-02	1.26E-04					
Minnesota	Freeborn County	27047	U	3.00E-04	1.09E-01	9.40E-02	5.22E-06	1.64E-08	6.79E-02	2.43E-04					
Minnesota	Goodhue County	27049	R	3.00E-04	1.11E-01	2.84E-02	2.54E-06	7.88E-09	7.14E-02	2.29E-04					
Minnesota	Grant County	27051	R	3.00E-04	1.06E-01	7.74E-03	3.23E-06	3.80E-09	6.74E-02	8.45E-05					
Minnesota	Hennepin County	27053	U	3.00E-04	2.49E-01	4.59E-01	1.47E-05	5.43E-07	2.49E-01	3.03E-03					
Minnesota	Houston County	27055	R	3.00E-04	1.10E-01	1.58E-02	9.87E-07	2.21E-08	7.21E-02	1.04E-04					

				Estimated Annual Median Exposure Concentrations (ug/m3) for Minnesota												
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
Minnesota	Hubbard County	27057	R	1.44E-05	3.13E-02	2.16E-03	5.93E-02	3.99E-02	5.10E-05	2.64E-06	6.76E-01	2.58E-07	1.89E-06	6.45E-01	6.76E-02	2.94E-05
Minnesota	Isanti County	27059	U	3.21E-05	2.75E-02	6.87E-03	1.55E-01	4.83E-02	1.13E-04	6.03E-06	7.22E-01	1.10E-06	1.07E-05	6.43E-01	6.79E-02	1.51E-04
Minnesota	Itasca County	27061	R	7.64E-06	1.24E-02	1.11E-03	5.94E-02	4.08E-02	2.71E-05	8.30E-05	5.66E-01	1.12E-06	4.62E-06	6.38E-01	6.78E-02	4.90E-05
Minnesota	Jackson County	27063	R	9.70E-06	7.38E-03	1.74E-03	3.66E-02	1.30E-02	2.71E-05	1.08E-06	5.24E-01	2.24E-07	1.79E-06	6.44E-01	6.79E-02	2.45E-05
Minnesota	Kanabec County	27065	R	1.64E-05	1.03E-02	2.98E-03	6.17E-02	2.73E-02	5.62E-05	1.27E-06	5.39E-01	3.18E-07	2.08E-06	6.42E-01	6.80E-02	4.97E-05
Minnesota	Kandiyohi County	27067	R	1.43E-05	3.73E-02	6.71E-03	6.37E-02	1.95E-02	5.28E-05	3.38E-06	5.49E-01	7.67E-07	4.31E-06	6.41E-01	6.78E-02	2.49E-04
Minnesota	Kittson County	27069	R	2.77E-06	2.43E-03	3.16E-04	1.30E-02	3.95E-03	9.58E-06	4.43E-06	4.25E-01	2.58E-07	7.80E-07	6.41E-01	6.78E-02	6.35E-06
Minnesota	Koochiching County	27071	U	1.90E-06	4.05E-02	2.81E-03	7.49E-02	6.75E-02	6.74E-06	1.66E-05	6.76E-01	7.82E-07	4.25E-05	6.41E-01	8.08E-02	6.78E-05
Minnesota	Lac qui Parle County	27073	R	1.21E-06	4.21E-03	1.12E-03	2.00E-02	4.68E-03	4.45E-06	1.33E-06	4.35E-01	1.47E-07	7.18E-07	6.35E-01	6.78E-02	1.31E-05
Minnesota	Lake County	27075	R	2.03E-06	3.57E-02	1.86E-03	4.64E-02	4.85E-02	5.23E-06	1.30E-05	5.45E-01	8.58E-07	3.09E-06	6.42E-01	6.75E-02	9.25E-05
Minnesota	Lake of the Woods Co	27077	R	1.93E-06	2.03E-02	3.64E-04	4.57E-02	3.00E-02	6.87E-06	3.62E-07	6.68E-01	3.75E-08	3.44E-07	6.42E-01	6.78E-02	1.74E-05
Minnesota	Le Sueur County	27079	R	1.79E-05	1.93E-02	4.25E-03	5.97E-02	2.13E-02	6.36E-05	2.69E-06	5.45E-01	6.40E-07	3.66E-06	6.44E-01	6.80E-02	9.58E-05
Minnesota	Lincoln County	27081	R	8.15E-06	7.45E-03	1.05E-03	2.69E-02	1.10E-02	1.34E-05	1.03E-06	4.57E-01	1.43E-07	9.03E-07	6.37E-01	6.82E-02	1.42E-05
Minnesota	Lyon County	27083	R	4.52E-05	5.81E-02	6.61E-03	4.10E-02	1.85E-02	4.79E-05	5.70E-06	5.22E-01	1.22E-06	4.32E-06	6.44E-01	6.78E-02	1.04E-04
Minnesota	McLeod County	27085	U	4.54E-05	9.34E-02	1.48E-02	1.08E-01	3.86E-02	1.84E-04	2.01E-05	7.08E-01	2.99E-06	1.91E-05	6.42E-01	6.80E-02	1.09E-03
Minnesota	Mahnomen County	27087	R	3.27E-06	5.45E-03	6.67E-04	2.08E-02	9.59E-03	1.16E-05	8.86E-07	4.68E-01	2.43E-07	1.27E-06	6.44E-01	6.78E-02	4.27E-05
Minnesota	Marshall County	27089	R	2.06E-06	3.61E-03	5.42E-04	1.61E-02	5.42E-03	5.33E-06	6.69E-07	4.39E-01	8.95E-08	6.72E-07	6.42E-01	6.77E-02	7.45E-06
Minnesota	Martin County	27091	R	1.31E-05	1.35E-02	1.63E-03	3.98E-02	1.14E-02	4.63E-05	1.56E-06	4.86E-01	2.53E-07	6.33E-06	6.44E-01	6.78E-02	3.18E-05
Minnesota	Meeker County	27093	R	2.78E-05	6.18E-02	8.45E-03	1.05E-01	3.62E-02	1.04E-04	6.28E-06	6.75E-01	1.12E-06	9.54E-06	6.43E-01	6.79E-02	3.34E-03
Minnesota	Mille Lacs County	27095	R	1.45E-05	2.78E-02	9.84E-04	9.73E-02	3.89E-02	4.01E-05	4.01E-06	6.78E-01	1.03E-06	5.19E-06	6.46E-01	6.78E-02	9.99E-05
Minnesota	Morrison County	27097	R	1.58E-05	1.71E-02	2.83E-03	6.38E-02	2.56E-02	4.45E-05	3.99E-06	5.48E-01	4.68E-07	2.82E-06	6.42E-01	6.78E-02	5.99E-05
Minnesota	Mower County	27099	U	2.69E-05	7.90E-02	1.88E-03	5.21E-02	2.15E-02	9.56E-05	6.82E-06	5.72E-01	1.52E-06	6.44E-06	6.40E-01	6.78E-02	1.45E-04
Minnesota	Murray County	27101	R	9.32E-06	1.31E-02	1.96E-03	3.08E-02	8.50E-03	2.67E-05	7.91E-07	4.73E-01	2.07E-07	1.14E-06	6.38E-01	6.79E-02	2.85E-05
Minnesota	Nicollet County	27103	U	1.37E-05	1.18E-01	2.22E-02	7.50E-02	3.42E-02	4.87E-05	8.84E-06	6.93E-01	2.44E-06	1.08E-05	6.43E-01	6.80E-02	2.89E-04
Minnesota	Nobles County	27105	U	1.34E-05	8.48E-02	1.84E-03	4.82E-02	2.07E-02	4.53E-05	6.34E-06	5.93E-01	1.54E-06	5.55E-06	6.39E-01	6.78E-02	1.38E-04
Minnesota	Norman County	27107	R	3.43E-06	3.00E-03	0.00E+00	2.11E-02	4.67E-03	9.69E-06	2.96E-06	4.37E-01	2.34E-07	1.02E-06	6.42E-01	6.78E-02	9.69E-06
Minnesota	Olmsted County	27109	U	6.05E-05	1.49E-01	0.00E+00	1.73E-01	4.81E-02	2.15E-04	2.25E-05	1.23E+00	4.83E-06	3.13E-05	6.39E-01	6.81E-02	4.55E-04
Minnesota	Otter Tail County	27111	R	9.45E-06	1.29E-02	1.75E-03	4.26E-02	1.64E-02	3.21E-05	1.78E-06	5.45E-01	2.71E-07	5.17E-06	6.40E-01	6.78E-02	2.74E-05
Minnesota	Pennington County	27113	U	3.31E-09	1.91E-01	2.60E-02	5.13E-02	3.20E-02	1.17E-08	1.39E-05	7.27E-01	3.54E-06	1.22E-05	6.39E-01	6.81E-02	3.03E-04
Minnesota	Pine County	27115	R	7.11E-06	1.05E-02	1.47E-03	4.15E-02	2.39E-02	2.51E-05	9.20E-07	5.14E-01	1.49E-07	1.08E-06	6.40E-01	6.79E-02	2.29E-05
Minnesota	Pipestone County	27117	R	1.36E-05	5.25E-03	2.32E-03	4.11E-02	9.02E-03	3.73E-05	7.20E-07	4.71E-01	1.85E-07	1.33E-06	6.40E-01	6.78E-02	2.18E-05
Minnesota	Polk County	27119	U	1.38E-05	1.66E-02	1.09E-02	4.71E-02	1.17E-02	4.13E-05	1.84E-05	5.46E-01	1.89E-06	6.95E-06	6.42E-01	6.78E-02	9.82E-05
Minnesota	Pope County	27121	R	7.75E-06	8.88E-03	2.01E-03	4.26E-02	1.22E-02	2.32E-05	9.34E-07	4.87E-01	2.29E-07	2.47E-06	6.36E-01	6.78E-02	3.10E-05
Minnesota	Ramsey County	27123	U	1.76E-04	3.06E-01	9.24E-02	1.21E+00	3.14E-01	5.01E-04	1.32E-04	2.84E+00	1.63E-05	4.54E-04	6.48E-01	7.64E-02	3.07E-03
Minnesota	Red Lake County	27125	R	1.94E-06	4.13E-03	7.41E-04	1.63E-02	5.16E-03	6.88E-06	3.97E-07	4.35E-01	8.28E-08	4.65E-07	6.37E-01	6.79E-02	1.12E-05
Minnesota	Redwood County	27127	R	1.11E-05	6.16E-03	1.28E-03	2.46E-02	6.65E-03	3.29E-05	6.69E-07	4.49E-01	1.54E-07	9.57E-07	6.38E-01	6.79E-02	2.75E-05
Minnesota	Renville County	27129	R	9.12E-06	5.13E-03	1.15E-03	2.68E-02	7.95E-03	3.44E-05	1.99E-06	4.50E-01	2.47E-07	1.79E-06	6.46E-01	6.77E-02	5.38E-05
Minnesota	Rice County	27131	U	4.78E-05	1.51E-01	2.96E-02	1.17E-01	4.59E-02	1.70E-04	4.13E-05	8.69E-01	4.13E-06	4.32E-04	6.42E-01	6.82E-02	4.22E-04
Minnesota	Rock County	27133	R	1.61E-05	1.21E-02	3.61E-03	5.92E-02	1.19E-02	4.85E-05	1.35E-06	4.94E-01	3.69E-07	1.87E-06	6.46E-01	6.75E-02	3.08E-05
Minnesota	Roseau County	27135	R	7.09E-06	6.20E-03	6.88E-04	1.92E-02	8.84E-03	2.54E-05	8.76E-07	4.68E-01	8.14E-08	6.34E-07	6.41E-01	6.78E-02	3.47E-05
Minnesota	St. Louis County	27137	U	1.61E-05	1.30E-01	1.16E-02	1.21E-01	6.49E-02	3.98E-05	5.58E-05	1.03E+00	3.93E-06	3.77E-05	6.41E-01	6.80E-02	2.01E-04
Minnesota	Scott County	27139	U	1.40E-04	1.24E-01	3.27E-02	5.47E-01	1.71E-01	5.05E-04	7.83E-05	1.30E+00	6.65E-06	7.12E-04	6.37E-01	6.99E-02	1.14E-03
Minnesota	Sherburne County	27141	U	6.25E-05	9.06E-02	1.41E-02	2.65E-01	1.00E-01	1.99E-04	1.94E-05	1.73E+00	8.90E-06	2.21E-05	6.37E-01	6.79E-02	3.12E-04
Minnesota	Sibley County	27143	R	1.27E-05	1.21E-02	3.05E-03	5.42E-02	1.71E-02	4.79E-05	3.76E-06	5.05E-01	7.38E-07	5.59E-06	6.37E-01	6.79E-02	2.09E-04
Minnesota	Stearns County	27145	R	3.22E-05	5.33E-02	1.32E-02	1.59E-01	4.77E-02	9.48E-05	1.31E-05	8.72E-01	2.05E-06	1.07E-05	6.38E-01	6.80E-02	3.20E-04
Minnesota	Steele County	27147	U	4.77E-05	1.40E-01	2.27E-02	7.75E-02	3.33E-02	1.70E-04	1.78E-05	7.26E-01	3.68E-06	1.40E-05	6.44E-01	6.82E-02	3.89E-04
Minnesota	Stevens County	27149	U	1.21E-05	8.43E-03	2.50E-03	2.81E-02	7.46E-03	3.80E-05	9.62E-07	4.57E-01	2.56E-07	1.58E-06	6.41E-01	6.77E-02	3.41E-05
Minnesota	Swift County	27151	R	8.85E-06	7.63E-03	1.55E-03	2.66E-02	6.66E-03	3.15E-05	1.70E-06	4.55E-01	2.34E-07	1.05E-06	6.39E-01	6.78E-02	2.39E-05
Minnesota	Todd County	27153	R	9.37E-06	8.47E-03	2.08E-03	4.39E-02	1.68E-02	3.34E-05	1.26E-06	5.07E-01	2.32E-07	1.84E-06	6.38E-01	6.78E-02	3.48E-05
Minnesota	Traverse County	27155	R	2.50E-06	2.55E-03	5.63E-04	1.62E-02	2.92E-03	6.43E-06	1.85E-06	4.31E-01	1.41E-07	5.84E-07	6.41E-01	6.76E-02	8.42E-06
Minnesota	Wabasha County	27157	R	1.30E-05	2.13E-02	4.07E-03	5.92E-02	1.96E-02	4.28E-05	4.56E-06	5.58E-01	5.66E-07	5.37E-06	6.38E-01	6.80E-02	6.03E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for Minnesota												
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
Minnesota	Hubbard County	27057	R	0.00E+00	1.65E-01	6.08E-03	5.26E-02	5.33E-05	3.43E-01	7.49E-05	5.22E-12	5.81E-05	2.77E-04	1.19E-03	1.28E-01	4.29E-05
Minnesota	Isanti County	27059	U	0.00E+00	4.91E-01	6.08E-03	5.27E-02	1.40E-04	3.40E-01	7.50E-05	1.03E-09	1.29E-04	1.10E-04	1.22E-03	1.41E-01	1.62E-04
Minnesota	Itasca County	27061	R	0.00E+00	1.24E-01	6.08E-03	5.22E-02	3.30E-05	3.21E-01	7.50E-05	6.89E-12	1.27E-04	5.59E-04	1.21E-03	1.24E-01	1.49E-04
Minnesota	Jackson County	27063	R	0.00E+00	3.66E-01	6.09E-03	5.24E-02	1.85E-05	2.18E-01	7.51E-05	1.19E-11	2.65E-05	1.91E-05	1.19E-03	1.24E-01	4.56E-05
Minnesota	Kanabec County	27065	R	0.00E+00	3.34E-01	6.08E-03	5.27E-02	5.59E-05	2.66E-01	7.52E-05	3.70E-11	2.54E-05	3.76E-05	1.20E-03	1.40E-01	6.06E-05
Minnesota	Kandiyohi County	27067	R	0.00E+00	3.81E-01	6.08E-03	5.27E-02	1.21E-04	2.51E-01	7.50E-05	2.16E-09	4.81E-05	4.16E-05	1.20E-03	1.33E-01	2.20E-04
Minnesota	Kittson County	27069	R	0.00E+00	1.17E-01	6.08E-03	5.27E-02	9.93E-06	2.13E-01	7.51E-05	4.30E-11	7.61E-06	6.55E-06	1.19E-03	1.21E-01	8.06E-06
Minnesota	Koochiching County	27071	U	0.00E+00	7.17E-02	6.08E-03	5.24E-02	2.09E-05	4.43E-01	7.50E-05	0.00E+00	5.08E-04	1.05E-03	1.19E-03	1.32E-01	2.30E-04
Minnesota	Lac qui Parle County	27073	R	0.00E+00	2.66E-01	6.08E-03	5.25E-02	1.95E-05	1.96E-01	7.51E-05	6.14E-11	9.85E-06	5.26E-06	1.19E-03	1.22E-01	1.65E-05
Minnesota	Lake County	27075	R	0.00E+00	7.49E-02	6.08E-03	5.22E-02	4.15E-05	3.64E-01	7.47E-05	5.94E-12	9.43E-05	3.14E-04	1.19E-03	1.24E-01	2.05E-04
Minnesota	Lake of the Woods Co	27077	R	0.00E+00	5.88E-02	6.07E-03	5.25E-02	7.95E-06	2.80E-01	7.50E-05	1.02E-11	3.51E-06	3.49E-05	1.18E-03	1.78E-01	7.90E-06
Minnesota	Le Sueur County	27079	R	0.00E+00	4.85E-01	6.08E-03	5.27E-02	7.85E-05	2.56E-01	7.51E-05	1.77E-09	1.51E-04	2.53E-05	1.20E-03	1.32E-01	1.21E-04
Minnesota	Lincoln County	27081	R	0.00E+00	2.97E-01	6.09E-03	5.28E-02	4.91E-05	2.22E-01	7.54E-05	8.07E-10	2.28E-05	1.32E-05	1.20E-03	1.26E-01	1.83E-05
Minnesota	Lyon County	27083	R	0.00E+00	4.59E-01	6.08E-03	5.25E-02	1.39E-04	2.43E-01	7.50E-05	1.71E-11	1.21E-04	3.48E-05	1.24E-03	1.46E-01	2.73E-04
Minnesota	McLeod County	27085	U	0.00E+00	6.45E-01	6.08E-03	5.28E-02	3.51E-04	4.29E-01	7.50E-05	8.28E-09	8.52E-05	9.20E-05	1.23E-03	2.29E-01	8.33E-04
Minnesota	Mahnomen County	27087	R	0.00E+00	1.69E-01	6.09E-03	5.24E-02	3.32E-06	2.16E-01	7.50E-05	1.06E-11	1.00E-05	9.59E-06	1.19E-03	1.22E-01	4.56E-05
Minnesota	Marshall County	27089	R	0.00E+00	1.44E-01	6.08E-03	5.24E-02	7.39E-06	2.04E-01	7.49E-05	2.33E-11	1.18E-05	5.66E-06	1.19E-03	1.22E-01	9.91E-06
Minnesota	Martin County	27091	R	0.00E+00	4.36E-01	6.10E-03	5.26E-02	4.13E-05	2.28E-01	7.52E-05	5.75E-11	9.86E-05	6.18E-05	1.21E-03	1.24E-01	1.09E-04
Minnesota	Meeker County	27093	R	0.00E+00	5.47E-01	6.09E-03	5.28E-02	1.13E-04	3.17E-01	7.51E-05	2.47E-09	1.07E-04	5.43E-04	1.22E-03	1.39E-01	3.03E-03
Minnesota	Mille Lacs County	27095	R	0.00E+00	4.00E-01	6.07E-03	5.26E-02	1.54E-04	3.46E-01	7.50E-05	2.26E-09	9.55E-05	6.56E-05	1.21E-03	1.36E-01	1.36E-04
Minnesota	Morrison County	27097	R	0.00E+00	2.92E-01	6.07E-03	5.25E-02	5.88E-05	2.59E-01	7.50E-05	5.52E-10	6.06E-05	2.11E-04	1.20E-03	1.28E-01	7.61E-05
Minnesota	Mower County	27099	U	0.00E+00	4.42E-01	6.08E-03	5.27E-02	3.04E-04	2.44E-01	7.50E-05	8.41E-11	1.29E-04	4.49E-05	1.20E-03	1.47E-01	2.51E-04
Minnesota	Murray County	27101	R	0.00E+00	3.56E-01	6.08E-03	5.29E-02	1.76E-05	2.11E-01	7.50E-05	7.60E-13	2.03E-05	8.29E-06	1.19E-03	1.32E-01	3.67E-05
Minnesota	Nicollet County	27103	U	0.00E+00	5.61E-01	6.08E-03	5.28E-02	1.08E-03	2.91E-01	7.51E-05	2.15E-10	2.87E-04	8.01E-05	1.22E-03	1.51E-01	3.99E-04
Minnesota	Nobles County	27105	U	0.00E+00	9.06E-01	6.09E-03	5.29E-02	2.40E-04	2.37E-01	7.50E-05	1.31E-12	1.64E-04	4.25E-05	1.20E-03	1.44E-01	2.69E-04
Minnesota	Norman County	27107	R	0.00E+00	2.07E-01	6.09E-03	5.27E-02	1.25E-05	2.07E-01	7.51E-05	3.97E-10	2.05E-05	8.22E-06	1.19E-03	1.21E-01	1.15E-05
Minnesota	Olmsted County	27109	U	0.00E+00	6.44E-01	6.08E-03	5.29E-02	1.52E-03	4.65E-01	7.50E-05	2.09E-10	1.11E-03	1.40E-04	1.33E-03	1.92E-01	9.09E-04
Minnesota	Otter Tail County	27111	R	0.00E+00	2.36E-01	6.08E-03	5.25E-02	6.62E-05	2.48E-01	7.50E-05	2.66E-11	2.71E-04	1.25E-05	1.22E-03	1.24E-01	1.58E-04
Minnesota	Pennington County	27113	U	0.00E+00	3.96E-01	6.08E-03	5.30E-02	8.28E-04	2.93E-01	7.51E-05	0.00E+00	2.50E-04	8.52E-05	1.20E-03	1.66E-01	6.20E-04
Minnesota	Pine County	27115	R	0.00E+00	2.37E-01	6.08E-03	5.26E-02	1.39E-05	2.61E-01	7.51E-05	4.76E-12	1.41E-05	1.99E-05	1.19E-03	1.23E-01	2.94E-05
Minnesota	Pipestone County	27117	R	0.00E+00	3.11E-01	6.08E-03	5.25E-02	3.77E-05	2.21E-01	7.49E-05	2.49E-11	5.06E-05	1.57E-05	1.20E-03	1.79E-01	2.82E-05
Minnesota	Polk County	27119	U	0.00E+00	3.22E-01	6.09E-03	5.25E-02	1.34E-04	2.62E-01	7.50E-05	8.29E-11	8.45E-05	5.48E-05	1.21E-03	1.39E-01	1.49E-04
Minnesota	Pope County	27121	R	0.00E+00	3.06E-01	6.07E-03	5.29E-02	3.54E-05	2.22E-01	7.50E-05	6.36E-10	6.10E-05	1.17E-05	1.20E-03	1.25E-01	4.06E-05
Minnesota	Ramsey County	27123	U	0.00E+00	1.52E+00	6.08E-03	5.46E-02	1.68E-03	1.29E+00	7.50E-05	9.64E-08	4.98E-03	9.09E-04	1.68E-03	4.55E-01	3.13E-03
Minnesota	Red Lake County	27125	R	0.00E+00	1.52E-01	6.08E-03	5.29E-02	5.87E-06	2.00E-01	7.51E-05	0.00E+00	1.22E-05	3.44E-06	1.19E-03	1.22E-01	1.49E-05
Minnesota	Redwood County	27127	R	0.00E+00	3.41E-01	6.08E-03	5.28E-02	1.82E-05	2.04E-01	7.51E-05	1.16E-11	1.79E-05	6.37E-06	1.19E-03	1.24E-01	2.64E-05
Minnesota	Renville County	27129	R	0.00E+00	3.57E-01	6.08E-03	5.25E-02	1.24E-05	2.06E-01	7.50E-05	2.11E-10	1.36E-05	1.08E-05	1.19E-03	1.23E-01	4.86E-05
Minnesota	Rice County	27131	U	0.00E+00	7.27E-01	6.07E-03	5.28E-02	1.06E-03	3.49E-01	7.49E-05	7.72E-09	8.99E-04	1.45E-04	1.26E-03	1.82E-01	7.08E-04
Minnesota	Rock County	27133	R	0.00E+00	3.70E-01	6.08E-03	5.17E-02	6.03E-05	2.46E-01	7.48E-05	5.60E-11	1.04E-04	3.11E-05	1.20E-03	1.35E-01	4.50E-05
Minnesota	Roseau County	27135	R	0.00E+00	9.31E-02	6.08E-03	5.27E-02	1.39E-05	2.13E-01	7.50E-05	3.49E-10	7.34E-06	3.86E-05	1.19E-03	1.24E-01	1.92E-05
Minnesota	St. Louis County	27137	U	0.00E+00	2.12E-01	6.08E-03	5.28E-02	5.76E-04	3.85E-01	7.50E-05	9.58E-09	5.95E-04	7.81E-04	1.21E-03	1.50E-01	6.81E-04
Minnesota	Scott County	27139	U	0.00E+00	8.74E-01	6.08E-03	5.34E-02	7.81E-04	7.21E-01	7.51E-05	2.17E-08	2.93E-03	5.12E-04	1.39E-03	2.94E-01	1.40E-03
Minnesota	Sherburne County	27141	U	0.00E+00	5.58E-01	6.07E-03	5.27E-02	1.25E-04	4.77E-01	7.49E-05	1.31E-09	3.86E-04	2.02E-04	1.25E-03	2.09E-01	3.72E-04
Minnesota	Sibley County	27143	R	0.00E+00	4.62E-01	6.08E-03	5.27E-02	4.29E-05	2.42E-01	7.50E-05	9.97E-10	5.32E-05	2.73E-05	1.20E-03	1.31E-01	1.57E-04
Minnesota	Stearns County	27145	R	0.00E+00	4.85E-01	6.08E-03	5.31E-02	2.49E-04	3.52E-01	7.50E-05	1.45E-10	2.33E-04	2.96E-04	1.22E-03	1.42E-01	3.61E-04
Minnesota	Steele County	27147	U	0.00E+00	7.36E-01	6.09E-03	5.30E-02	1.55E-04	2.91E-01	7.51E-05	8.78E-11	1.39E-04	2.00E-04	1.22E-03	1.77E-01	8.56E-04
Minnesota	Stevens County	27149	U	0.00E+00	3.26E-01	6.09E-03	5.28E-02	3.45E-05	2.05E-01	7.49E-05	7.40E-09	1.98E-05	1.01E-05	1.19E-03	1.24E-01	4.42E-05
Minnesota	Swift County	27151	R	0.00E+00	3.07E-01	6.08E-03	5.27E-02	2.86E-05	2.05E-01	7.49E-05	1.15E-09	1.38E-05	8.18E-06	1.19E-03	1.24E-01	3.81E-05
Minnesota	Todd County	27153	R	0.00E+00	2.63E-01	6.08E-03	5.25E-02	3.17E-05	2.42E-01	7.51E-05	2.02E-11	4.01E-05	4.37E-05	1.20E-03	1.27E-01	4.34E-05
Minnesota	Traverse County	27155	R	0.00E+00	2.36E-01	6.07E-03	5.26E-02	1.27E-05	1.91E-01	7.48E-05	2.68E-11	6.60E-06	5.34E-06	1.19E-03	1.21E-01	9.54E-06
Minnesota	Wabasha County	27157	R	0.00E+00	4.22E-01	6.09E-03	5.31E-02	9.10E-05	2.57E-01	7.51E-05	5.92E-10	1.43E-04	2.55E-05	1.22E-03	1.33E-01	1.41E-04

				Estimated Annual Median Exposure Concentrations (ug/m3) for Minnesota											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
Minnesota	Hubbard County	27057	R	3.00E-04	1.07E-01	2.98E-02	6.63E-08	1.19E-10	6.73E-02	2.82E-05					
Minnesota	Isanti County	27059	U	3.00E-04	1.12E-01	4.87E-02	1.24E-06	1.55E-08	7.04E-02	1.53E-04					
Minnesota	Itasca County	27061	R	3.00E-04	1.06E-01	3.04E-02	3.28E-07	2.44E-10	6.74E-02	2.34E-05					
Minnesota	Jackson County	27063	R	3.00E-04	1.07E-01	8.86E-03	4.76E-07	1.73E-10	6.79E-02	4.52E-05					
Minnesota	Kanabec County	27065	R	3.00E-04	1.07E-01	2.39E-02	1.24E-07	7.94E-10	6.81E-02	6.97E-05					
Minnesota	Kandiyohi County	27067	R	3.00E-04	1.08E-01	3.41E-02	3.56E-07	7.09E-09	6.76E-02	1.47E-04					
Minnesota	Kittson County	27069	R	3.00E-04	1.06E-01	2.02E-03	4.62E-07	9.01E-10	6.75E-02	5.26E-06					
Minnesota	Koochiching County	27071	U	3.00E-04	1.11E-01	3.08E-02	1.09E-07	0.00E+00	6.75E-02	1.17E-04					
Minnesota	Lac qui Parle County	27073	R	3.00E-04	1.06E-01	4.87E-03	3.20E-08	1.00E-09	6.74E-02	2.37E-05					
Minnesota	Lake County	27075	R	3.00E-04	1.07E-01	2.20E-02	1.78E-07	1.16E-10	6.73E-02	1.16E-05					
Minnesota	Lake of the Woods Co	27077	R	3.00E-04	1.06E-01	7.99E-03	1.07E-07	2.86E-10	6.72E-02	7.91E-06					
Minnesota	Le Sueur County	27079	R	3.00E-04	1.09E-01	3.04E-02	2.81E-06	1.29E-08	7.97E-02	2.27E-04					
Minnesota	Lincoln County	27081	R	3.00E-04	1.06E-01	6.10E-03	3.90E-07	3.19E-09	6.79E-02	2.73E-05					
Minnesota	Lyon County	27083	R	3.00E-04	1.12E-01	4.08E-02	3.49E-07	3.15E-10	6.74E-02	1.93E-04					
Minnesota	McLeod County	27085	U	3.00E-04	1.10E-01	7.66E-02	5.55E-06	2.23E-08	1.13E-01	3.37E-04					
Minnesota	Mahnomen County	27087	R	3.01E-04	1.07E-01	9.94E-03	2.28E-07	1.46E-10	6.73E-02	7.32E-06					
Minnesota	Marshall County	27089	R	3.00E-04	1.07E-01	3.27E-03	1.70E-07	4.16E-10	6.76E-02	4.42E-06					
Minnesota	Martin County	27091	R	3.01E-04	1.08E-01	1.41E-02	1.71E-07	9.55E-10	7.91E-02	1.32E-04					
Minnesota	Meeker County	27093	R	3.00E-04	1.11E-01	4.96E-02	2.12E-06	8.53E-09	6.87E-02	2.70E-04					
Minnesota	Mille Lacs County	27095	R	3.00E-04	1.14E-01	4.83E-02	1.94E-06	7.66E-09	6.77E-02	5.26E-05					
Minnesota	Morrison County	27097	R	3.00E-04	1.07E-01	2.74E-02	4.16E-06	2.68E-09	6.84E-02	1.04E-04					
Minnesota	Mower County	27099	U	3.00E-04	1.15E-01	6.00E-02	4.54E-06	1.87E-09	6.74E-02	2.56E-04					
Minnesota	Murray County	27101	R	3.00E-04	1.06E-01	1.14E-02	5.25E-07	2.21E-11	6.76E-02	3.39E-05					
Minnesota	Nicollet County	27103	U	3.00E-04	1.16E-01	1.10E-01	2.39E-06	2.68E-09	6.88E-02	2.06E-04					
Minnesota	Nobles County	27105	U	3.00E-04	1.14E-01	5.97E-02	8.26E-07	4.33E-11	6.75E-02	1.33E-04					
Minnesota	Norman County	27107	R	3.01E-04	1.06E-01	3.66E-03	8.25E-07	1.43E-09	6.79E-02	1.65E-05					
Minnesota	Olmsted County	27109	U	3.00E-04	1.59E-01	2.45E-01	1.40E-05	2.75E-09	6.78E-02	7.18E-04					
Minnesota	Otter Tail County	27111	R	3.00E-04	1.07E-01	1.70E-02	1.50E-06	4.23E-10	6.73E-02	6.28E-05					
Minnesota	Pennington County	27113	U	3.00E-04	1.18E-01	1.35E-01	1.27E-10	0.00E+00	6.77E-02	6.08E-09					
Minnesota	Pine County	27115	R	3.00E-04	1.07E-01	1.37E-02	2.34E-08	1.18E-10	6.78E-02	1.60E-05					
Minnesota	Pipestone County	27117	R	3.00E-04	1.09E-01	7.61E-03	1.02E-06	4.01E-10	6.75E-02	4.18E-05					
Minnesota	Polk County	27119	U	3.01E-04	1.12E-01	3.05E-02	9.28E-07	1.10E-09	6.77E-02	2.80E-05					
Minnesota	Pope County	27121	R	3.00E-04	1.07E-01	1.62E-02	4.42E-07	4.90E-09	6.76E-02	8.22E-05					
Minnesota	Ramsey County	27123	U	3.00E-04	2.09E-01	4.38E-01	1.75E-05	5.34E-07	2.20E-01	1.02E-02					
Minnesota	Red Lake County	27125	R	3.00E-04	1.06E-01	4.37E-03	7.40E-08	0.00E+00	6.77E-02	3.60E-06					
Minnesota	Redwood County	27127	R	3.00E-04	1.07E-01	7.56E-03	3.84E-06	2.61E-10	6.76E-02	6.79E-05					
Minnesota	Renville County	27129	R	3.00E-04	1.07E-01	7.81E-03	3.61E-07	1.60E-09	6.75E-02	6.90E-05					
Minnesota	Rice County	27131	U	3.00E-04	1.42E-01	1.87E-01	4.86E-06	2.30E-08	1.58E-01	5.39E-04					
Minnesota	Rock County	27133	R	3.00E-04	1.10E-01	1.10E-02	2.81E-06	9.96E-10	6.75E-02	1.13E-04					
Minnesota	Roseau County	27135	R	3.00E-04	1.06E-01	1.05E-02	4.91E-07	1.67E-09	6.76E-02	1.34E-05					
Minnesota	St. Louis County	27137	U	3.00E-04	1.14E-01	1.84E-01	4.02E-06	3.34E-08	7.23E-02	1.12E-04					
Minnesota	Scott County	27139	U	3.00E-04	1.48E-01	1.76E-01	2.20E-05	2.09E-07	9.56E-02	2.73E-03					
Minnesota	Sherburne County	27141	U	3.00E-04	1.16E-01	9.38E-02	1.17E-05	1.25E-08	7.49E-02	2.57E-04					
Minnesota	Sibley County	27143	R	3.00E-04	1.07E-01	1.87E-02	1.66E-06	7.36E-09	6.97E-02	1.57E-04					
Minnesota	Stearns County	27145	R	3.00E-04	1.12E-01	8.09E-02	3.36E-06	2.02E-09	8.01E-02	2.74E-04					
Minnesota	Steele County	27147	U	3.01E-04	1.25E-01	1.14E-01	2.47E-06	1.68E-09	7.09E-02	4.40E-04					
Minnesota	Stevens County	27149	U	3.00E-04	1.08E-01	1.21E-02	6.19E-07	2.83E-08	6.74E-02	4.19E-05					
Minnesota	Swift County	27151	R	3.00E-04	1.07E-01	9.46E-03	8.53E-08	4.73E-09	6.74E-02	6.33E-05					
Minnesota	Todd County	27153	R	3.00E-04	1.06E-01	1.64E-02	5.89E-07	5.06E-10	6.76E-02	6.24E-05					
Minnesota	Traverse County	27155	R	3.00E-04	1.06E-01	2.75E-03	1.62E-07	4.81E-10	6.72E-02	5.91E-06					
Minnesota	Wabasha County	27157	R	3.00E-04	1.09E-01	2.58E-02	1.72E-06	9.78E-09	6.81E-02	1.53E-04					

				Estimated Annual Median Exposure Concentrations (ug/m3) for Minnesota												
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
Minnesota	Wadena County	27159	R	1.29E-05	7.92E-03	2.12E-03	3.40E-02	1.90E-02	4.60E-05	8.75E-07	5.16E-01	1.36E-07	1.03E-06	6.37E-01	6.78E-02	1.99E-05
Minnesota	Waseca County	27161	R	1.80E-05	2.95E-02	7.33E-03	5.89E-02	1.96E-02	6.40E-05	3.78E-06	5.16E-01	7.67E-07	3.69E-06	6.42E-01	6.79E-02	7.61E-05
Minnesota	Washington County	27163	U	1.68E-04	1.69E-01	5.37E-02	7.11E-01	1.91E-01	3.64E-04	2.36E-04	1.68E+00	1.28E-05	6.36E-04	6.42E-01	7.08E-02	1.49E-03
Minnesota	Watonwan County	27165	R	2.07E-05	5.17E-03	1.88E-03	3.07E-02	8.93E-03	7.35E-05	9.48E-07	4.57E-01	1.97E-07	2.35E-06	6.41E-01	6.77E-02	3.91E-05
Minnesota	Wilkin County	27167	R	2.44E-06	4.62E-02	8.64E-03	3.96E-02	1.25E-02	8.07E-06	3.51E-05	5.09E-01	2.70E-06	1.14E-05	6.48E-01	6.75E-02	2.80E-04
Minnesota	Winona County	27169	U	2.74E-05	9.83E-02	2.26E-02	1.26E-01	6.27E-02	1.23E-04	1.52E-05	8.28E-01	2.99E-06	1.61E-05	6.45E-01	6.79E-02	3.02E-04
Minnesota	Wright County	27171	U	6.78E-05	7.21E-02	1.61E-02	3.11E-01	9.44E-02	2.43E-04	1.39E-05	1.47E+00	2.91E-06	2.05E-05	6.39E-01	6.81E-02	3.87E-04
Minnesota	Yellow Medicine Coun	27173	R	9.72E-06	6.06E-03	9.66E-04	2.08E-02	6.01E-03	2.43E-05	6.54E-07	4.40E-01	1.25E-07	7.56E-07	6.43E-01	6.76E-02	1.46E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for Minnesota												
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
Minnesota	Wadena County	27159	R	0.00E+00	2.00E-01	6.08E-03	5.27E-02	4.03E-05	2.39E-01	7.50E-05	3.09E-10	5.40E-05	2.46E-05	1.19E-03	1.24E-01	2.61E-05
Minnesota	Waseca County	27161	R	0.00E+00	4.59E-01	6.07E-03	5.28E-02	5.01E-05	2.40E-01	7.50E-05	3.12E-09	1.35E-04	2.59E-05	1.20E-03	1.36E-01	1.49E-04
Minnesota	Washington County	27163	U	0.00E+00	1.02E+00	6.08E-03	5.38E-02	5.53E-04	8.45E-01	7.50E-05	5.65E-08	5.15E-03	1.63E-03	1.63E-03	2.57E-01	1.81E-03
Minnesota	Watonwan County	27165	R	0.00E+00	3.52E-01	6.08E-03	5.27E-02	2.45E-05	2.14E-01	7.50E-05	2.59E-11	6.55E-05	1.67E-05	1.20E-03	1.24E-01	4.38E-05
Minnesota	Wilkin County	27167	R	0.00E+00	4.22E-01	6.08E-03	5.21E-02	1.99E-04	2.27E-01	7.50E-05	2.65E-09	1.70E-04	1.14E-04	1.21E-03	1.37E-01	3.26E-04
Minnesota	Winona County	27169	U	0.00E+00	4.78E-01	6.08E-03	5.26E-02	3.72E-04	3.96E-01	7.50E-05	9.42E-08	1.80E-04	1.41E-04	1.22E-03	1.59E-01	5.14E-04
Minnesota	Wright County	27171	U	0.00E+00	6.55E-01	6.08E-03	5.30E-02	1.98E-04	5.24E-01	7.50E-05	4.66E-09	3.97E-04	1.97E-04	1.29E-03	2.05E-01	4.47E-04
Minnesota	Yellow Medicine Coun	27173	R	0.00E+00	2.89E-01	6.08E-03	5.23E-02	2.09E-05	2.01E-01	7.48E-05	4.95E-10	1.43E-05	5.18E-06	1.19E-03	1.23E-01	1.99E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for Minnesota											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
Minnesota	Wadena County	27159	R	3.00E-04	1.06E-01	1.87E-02	6.45E-07	1.32E-09	6.75E-02	4.62E-05					
Minnesota	Waseca County	27161	R	3.00E-04	1.09E-01	3.12E-02	2.40E-06	1.07E-08	9.00E-02	2.27E-04					
Minnesota	Washington County	27163	U	3.00E-04	1.54E-01	2.41E-01	9.06E-06	3.24E-07	1.43E-01	4.41E-03					
Minnesota	Watonwan County	27165	R	3.00E-04	1.07E-01	9.94E-03	1.67E-06	5.55E-10	6.85E-02	2.13E-04					
Minnesota	Wilkin County	27167	R	3.00E-04	1.09E-01	3.12E-02	4.29E-07	8.22E-09	6.79E-02	1.13E-05					
Minnesota	Winona County	27169	U	3.00E-04	1.18E-01	1.47E-01	8.52E-06	3.28E-07	7.45E-02	3.58E-04					
Minnesota	Wright County	27171	U	3.00E-04	1.17E-01	1.01E-01	7.01E-06	4.76E-08	7.49E-02	3.45E-04					
Minnesota	Yellow Medicine Coun	27173	R	3.00E-04	1.06E-01	5.97E-03	3.69E-07	2.26E-09	6.71E-02	3.48E-05					