

US EPA ARCHIVE DOCUMENT

1999 DRAFT Modeled Ambient Concentrations for Minnesota: For Review Only

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

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

Please also note:

- The general approach for emission inventory development and modeling is similar to that used for the National-Scale Assessment for 1996
[For a discussion of limitations, please see http://www.epa.gov/ttn/atw/nata1999/natsalim2.htm](http://www.epa.gov/ttn/atw/nata1999/natsalim2.htm)
- The emission processing and modeling procedures utilize 1999 meteorology, 1999 emissions and updated and new spatial information including the 2000 census for population and census tract centroid location
[Background concentrations are the same as those used in the 1996 NATA.](#)
- For formaldehyde and acetaldehyde, secondary contributions were estimated outside of the ASPEN model using the same proportion of secondary to primary concentrations as was used in the 1996 NATA assessment.
- Because the emissions used are from 1999, they do not reflect potentially significant emission reductions that have taken effect since then, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|--------------------|------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------|----------------------------------|----------------|----------------------|--|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Statewide | N/A | N/A | Acetaldehyde | 4.33E-02 | 6.45E-02 | 1.59E-01 | 7.33E-01 | 9.46E-01 | 1.52E+00 | 1.99E+00 | 2.33E+00 | 1.43E-02 | 3.46E-01 | 5.02E-01 | 8.47E-02 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Acrolein | 3.98E-03 | 5.44E-03 | 1.00E-02 | 4.37E-02 | 6.39E-02 | 1.16E-01 | 1.44E-01 | 1.62E-01 | 1.47E-03 | 6.74E-03 | 4.19E-02 | 1.38E-02 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Acrylonitrile | 1.15E-05 | 1.99E-05 | 6.77E-05 | 2.19E-04 | 2.44E-04 | 3.46E-04 | 4.82E-04 | 5.76E-04 | 4.81E-06 | 2.39E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Arsenic Compounds | 5.57E-06 | 8.32E-06 | 2.26E-05 | 9.26E-05 | 2.27E-04 | 1.88E-04 | 2.77E-04 | 3.88E-04 | 1.50E-04 | 1.36E-05 | 4.83E-05 | 1.52E-05 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Benzene | 5.21E-01 | 5.35E-01 | 6.27E-01 | 1.11E+00 | 1.36E+00 | 1.92E+00 | 2.45E+00 | 2.85E+00 | 2.85E-02 | 1.72E-01 | 5.92E-01 | 8.67E-02 | 4.80E-01 | | |
| Minnesota | Statewide | N/A | N/A | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Beryllium Compounds | 2.06E-07 | 3.57E-07 | 1.16E-06 | 5.06E-06 | 7.52E-06 | 9.23E-06 | 1.17E-05 | 1.40E-05 | 2.25E-06 | 4.43E-06 | 0.00E+00 | 8.43E-07 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | 1,3-Butadiene | 2.01E-03 | 2.69E-03 | 6.36E-03 | 2.49E-02 | 4.57E-02 | 6.38E-02 | 1.08E-01 | 1.53E-01 | 6.14E-04 | 4.38E-04 | 3.61E-02 | 8.57E-03 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Cadmium Compounds | 5.70E-07 | 1.04E-06 | 4.51E-06 | 2.37E-05 | 5.52E-05 | 5.87E-05 | 1.11E-04 | 1.53E-04 | 4.51E-05 | 8.90E-06 | 0.00E+00 | 1.13E-06 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.72E-02 | 5.04E-02 | 5.04E-02 | 5.27E-02 | 5.56E-02 | 5.74E-02 | 5.56E-02 | 5.74E-02 | 2.59E-03 | 0.00E+00 | 4.70E-02 | | |
| Minnesota | Statewide | N/A | N/A | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 4.00E-06 | 3.64E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | | |
| Minnesota | Statewide | N/A | N/A | Chloroform | 8.35E-02 | 8.38E-02 | 8.64E-02 | 1.16E-01 | 1.35E-01 | 1.72E-01 | 2.07E-01 | 2.34E-01 | 2.09E-04 | 5.17E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | | |
| Minnesota | Statewide | N/A | N/A | Chromium Compounds (includes Hexavalent) | 3.07E-06 | 5.43E-06 | 3.48E-05 | 4.30E-04 | 1.20E-03 | 1.35E-03 | 2.79E-03 | 4.31E-03 | 1.23E-04 | 1.04E-03 | 4.17E-05 | 2.66E-06 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Chromium VI | 1.22E-06 | 2.19E-06 | 1.05E-05 | 1.27E-04 | 3.71E-04 | 4.00E-04 | 9.11E-04 | 1.31E-03 | 4.60E-05 | 3.08E-04 | 1.67E-05 | 9.05E-07 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | 1,4-Dichlorobenzene | 6.16E-04 | 9.57E-04 | 3.64E-03 | 2.39E-02 | 3.10E-02 | 5.06E-02 | 7.18E-02 | 8.60E-02 | 0.00E+00 | 3.10E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | 1,3-Dichloropropene | 2.32E-03 | 3.63E-03 | 1.40E-02 | 9.39E-02 | 1.23E-01 | 1.99E-01 | 2.84E-01 | 3.43E-01 | 7.10E-01 | 1.23E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 5.55E-07 | 5.58E-07 | 0.00E+00 | 7.70E-03 | | |
| Minnesota | Statewide | N/A | N/A | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 5.46E-06 | 6.14E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | | |
| Minnesota | Statewide | N/A | N/A | Ethylene Oxide | 1.28E-04 | 1.93E-04 | 7.91E-04 | 5.72E-03 | 8.01E-03 | 1.33E-02 | 1.81E-02 | 2.19E-02 | 0.00E+00 | 8.01E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Formaldehyde | 2.95E-01 | 3.05E-01 | 3.42E-01 | 6.35E-01 | 8.03E-01 | 1.18E+00 | 1.47E+00 | 1.75E+00 | 2.71E-02 | 2.65E-02 | 3.41E-01 | 1.58E-01 | 2.50E-01 | | |
| Minnesota | Statewide | N/A | N/A | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.37E-05 | 9.39E-05 | 0.00E+00 | 2.78E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | | |
| Minnesota | Statewide | N/A | N/A | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.91E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | | |
| Minnesota | Statewide | N/A | N/A | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.87E-05 | 1.72E-04 | 2.00E-04 | 2.91E-04 | 4.98E-04 | 8.43E-05 | 8.74E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Hydrazine | 9.00E-13 | 2.45E-11 | 2.40E-10 | 2.51E-08 | 9.73E-08 | 9.51E-08 | 2.50E-07 | 4.48E-07 | 8.54E-09 | 8.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Lead Compounds | 3.11E-05 | 5.99E-05 | 2.76E-04 | 2.75E-03 | 5.49E-03 | 8.69E-03 | 1.38E-02 | 1.70E-02 | 2.47E-03 | 1.43E-03 | 0.00E+00 | 1.59E-03 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Manganese Compounds | 4.24E-06 | 9.58E-06 | 5.33E-05 | 4.26E-04 | 1.35E-03 | 1.18E-03 | 2.35E-03 | 3.48E-03 | 6.51E-04 | 6.77E-04 | 1.33E-05 | 3.99E-06 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.58E-03 | 1.62E-03 | 1.67E-03 | 1.73E-03 | 1.77E-03 | 3.13E-05 | 2.51E-05 | 4.69E-05 | 1.39E-05 | 1.50E-03 | | |
| Minnesota | Statewide | N/A | N/A | Methylene Chloride | 1.53E-01 | 1.55E-01 | 1.72E-01 | 2.88E-01 | 3.35E-01 | 4.35E-01 | 5.66E-01 | 6.74E-01 | 2.20E-03 | 1.83E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | | |
| Minnesota | Statewide | N/A | N/A | Nickel Compounds | 6.09E-06 | 9.76E-06 | 7.69E-05 | 4.90E-04 | 7.60E-04 | 1.07E-03 | 1.75E-03 | 2.31E-03 | 2.37E-04 | 2.67E-04 | 3.99E-05 | 6.57E-05 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.45E-01 | 1.69E-01 | 1.86E-01 | 2.17E-01 | 2.52E-01 | 2.75E-01 | 1.91E-03 | 4.42E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | | |
| Minnesota | Statewide | N/A | N/A | Polychlorinated Biphenyls | 3.84E-04 | 3.86E-04 | 3.91E-04 | 3.94E-04 | 4.09E-04 | 4.09E-04 | 4.55E-04 | 4.84E-04 | 5.83E-09 | 2.91E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | | |
| Minnesota | Statewide | N/A | N/A | Polycyclic Organic Matter | 2.73E-03 | 4.05E-03 | 1.28E-02 | 6.50E-02 | 8.96E-02 | 1.40E-01 | 2.04E-01 | 2.43E-01 | 1.28E-02 | 6.18E-02 | 1.13E-02 | 3.72E-03 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | 7-PAH | 1.36E-04 | 2.18E-04 | 4.79E-04 | 1.24E-03 | 1.59E-03 | 2.13E-03 | 2.93E-03 | 3.85E-03 | 1.03E-05 | 1.48E-03 | 7.57E-05 | 2.80E-05 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Propylene Dichloride | 6.57E-08 | 1.10E-07 | 5.72E-07 | 4.71E-06 | 7.50E-06 | 1.11E-05 | 1.80E-05 | 2.28E-05 | 0.00E+00 | 7.50E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Quinoline | 2.23E-11 | 5.84E-10 | 3.48E-09 | 2.26E-07 | 4.34E-07 | 6.32E-07 | 1.11E-06 | 1.56E-06 | 0.00E+00 | 4.34E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | 1,1,2,2-Tetrachloroethane | 2.59E-06 | 5.00E-06 | 1.77E-05 | 3.65E-05 | 4.17E-05 | 5.02E-05 | 6.71E-05 | 9.21E-05 | 9.15E-06 | 3.25E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Statewide | N/A | N/A | Trichloroethylene | 8.13E-02 | 8.14E-02 | 8.39E-02 | 1.10E-01 | 1.41E-01 | 1.70E-01 | 2.30E-01 | 2.85E-01 | 2.42E-02 | 3.56E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | | |
| Minnesota | Statewide | N/A | N/A | Vinyl Chloride | 1.48E-05 | 4.51E-05 | 1.60E-04 | 3.11E-04 | 5.54E-04 | 4.77E-04 | 9.84E-04 | 1.65E-03 | 8.51E-06 | 5.46E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | Acetaldehyde | 9.91E-02 | 1.64E-01 | 4.35E-01 | 1.14E+00 | 1.18E+00 | 1.65E+00 | 2.12E+00 | 2.42E+00 | 1.77E-02 | 4.25E-01 | 6.29E-01 | 1.04E-01 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | Acrolein | 6.68E-03 | 9.74E-03 | 2.19E-02 | 8.07E-02 | 7.99E-02 | 1.26E-01 | 1.51E-01 | 1.65E-01 | 1.78E-03 | 7.91E-03 | 5.30E-02 | 1.73E-02 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | Acrylonitrile | 3.77E-05 | 6.23E-05 | 1.67E-04 | 2.70E-04 | 2.98E-04 | 3.84E-04 | 5.20E-04 | 6.19E-04 | 6.08E-06 | 2.92E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | Arsenic Compounds | 1.31E-05 | 2.23E-05 | 5.83E-05 | 1.28E-04 | 2.79E-04 | 2.09E-04 | 2.90E-04 | 4.18E-04 | 1.83E-04 | 1.70E-05 | 6.05E-05 | 1.85E-05 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | Benzene | 5.49E-01 | 6.29E-01 | 8.51E-01 | 1.48E+00 | 1.58E+00 | 2.08E+00 | 2.55E+00 | 3.05E+00 | 3.63E-02 | 2.10E-01 | 7.49E-01 | 1.04E-01 | 4.80E-01 | | |
| Minnesota | All Urban Counties | N/A | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | Beryllium Compounds | 6.85E-07 | 1.28E-06 | 3.53E-06 | 6.82E-06 | 9.35E-06 | 1.06E-05 | 1.54E-05 | 1.95E-05 | 2.77E-06 | 5.59E-06 | 0.00E+00 | 9.90E-07 | 0.00E+00 | | |
| Minnesota | All Urban Counties | N/A | U | 1,3-Butadiene | 3.13E-03 | 5.99E-03 | 1.59E-02 | 3.91E-02 | 5.70E-02 | 7.57E-02 | 1.24E-01 | 1.73E-01 | 7.92E-04 | 3.71E-04 | 4.54E-02 | 1.05E-02 | 0.00E+00 | | |

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 Estimated Annual Average Ambient Concentrations µg/m3 for Minnesota

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|--------------------|------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | All Urban Counties | N/A | U | Cadmium Compounds | 2.32E-06 | 4.45E-06 | 1.49E-05 | 3.65E-05 | 7.00E-05 | 7.26E-05 | 1.25E-04 | 1.88E-04 | 5.74E-05 | 1.12E-05 | 0.00E+00 | 1.35E-06 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Carbon Disulfide | 4.71E-02 | 4.72E-02 | 4.76E-02 | 5.06E-02 | 5.14E-02 | 5.37E-02 | 5.63E-02 | 5.83E-02 | 1.10E-03 | 3.28E-03 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | All Urban Counties | N/A | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 2.23E-06 | 4.52E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | All Urban Counties | N/A | U | Chloroform | 8.48E-02 | 8.69E-02 | 9.80E-02 | 1.50E-01 | 1.49E-01 | 1.81E-01 | 2.16E-01 | 2.47E-01 | 2.20E-04 | 6.58E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | All Urban Counties | N/A | U | Chromium Compounds (includes Hexavalent) | 1.29E-05 | 3.14E-05 | 1.88E-04 | 7.25E-04 | 1.51E-03 | 1.70E-03 | 3.17E-03 | 4.75E-03 | 1.20E-04 | 1.33E-03 | 5.27E-05 | 3.32E-06 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Chromium VI | 4.45E-06 | 9.27E-06 | 3.33E-05 | 2.13E-04 | 4.63E-04 | 5.37E-04 | 1.06E-03 | 1.45E-03 | 4.61E-05 | 3.95E-04 | 2.11E-05 | 1.13E-06 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | 1,4-Dichlorobenzene | 1.55E-03 | 3.80E-03 | 1.53E-02 | 3.81E-02 | 3.92E-02 | 5.59E-02 | 7.67E-02 | 8.99E-02 | 0.00E+00 | 3.92E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | 1,3-Dichloropropene | 5.92E-03 | 1.46E-02 | 6.08E-02 | 1.49E-01 | 1.55E-01 | 2.21E-01 | 3.08E-01 | 3.59E-01 | 0.00E+00 | 1.55E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 6.81E-07 | 7.00E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | All Urban Counties | N/A | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 5.95E-06 | 7.25E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | All Urban Counties | N/A | U | Ethylene Oxide | 3.20E-04 | 8.00E-04 | 3.56E-03 | 9.54E-03 | 1.01E-02 | 1.47E-02 | 1.94E-02 | 2.33E-02 | 0.00E+00 | 1.01E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Formaldehyde | 3.13E-01 | 3.42E-01 | 4.55E-01 | 8.68E-01 | 9.39E-01 | 1.26E+00 | 1.56E+00 | 1.84E+00 | 3.30E-02 | 3.10E-02 | 4.30E-01 | 1.95E-01 | 2.50E-01 | |
| Minnesota | All Urban Counties | N/A | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.36E-05 | 9.39E-05 | 0.00E+00 | 2.82E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | All Urban Counties | N/A | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.39E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | All Urban Counties | N/A | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 1.52E-06 | 1.18E-04 | 1.77E-04 | 2.13E-04 | 2.97E-04 | 4.41E-04 | 7.02E-05 | 1.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Hydrazine | 7.54E-11 | 1.59E-10 | 6.43E-09 | 5.38E-08 | 1.25E-07 | 1.34E-07 | 3.00E-07 | 5.69E-07 | 1.10E-08 | 1.14E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Lead Compounds | 1.41E-04 | 3.11E-04 | 1.01E-03 | 5.24E-03 | 6.97E-03 | 1.01E-02 | 1.50E-02 | 1.87E-02 | 3.14E-03 | 1.18E-03 | 0.00E+00 | 2.02E-03 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Manganese Compounds | 2.22E-05 | 4.87E-05 | 2.19E-04 | 7.05E-04 | 1.65E-03 | 1.39E-03 | 2.54E-03 | 4.13E-03 | 7.92E-04 | 8.37E-04 | 1.69E-05 | 4.99E-06 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Mercury Compounds | 1.51E-03 | 1.52E-03 | 1.56E-03 | 1.62E-03 | 1.65E-03 | 1.69E-03 | 1.74E-03 | 1.79E-03 | 3.87E-05 | 3.18E-05 | 5.84E-05 | 1.69E-05 | 1.50E-03 | |
| Minnesota | All Urban Counties | N/A | U | Methylene Chloride | 1.59E-01 | 1.72E-01 | 2.27E-01 | 3.54E-01 | 3.82E-01 | 4.73E-01 | 6.04E-01 | 7.18E-01 | 2.78E-03 | 2.30E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | All Urban Counties | N/A | U | Nickel Compounds | 2.92E-05 | 8.39E-05 | 2.86E-04 | 7.14E-04 | 9.46E-04 | 1.30E-03 | 1.88E-03 | 2.47E-03 | 2.83E-04 | 5.40E-04 | 3.90E-05 | 8.33E-05 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Perchloroethylene | 1.42E-01 | 1.45E-01 | 1.57E-01 | 1.93E-01 | 1.98E-01 | 2.29E-01 | 2.60E-01 | 2.86E-01 | 2.45E-03 | 5.60E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | All Urban Counties | N/A | U | Polychlorinated Biphenyls | 3.87E-04 | 3.90E-04 | 3.92E-04 | 3.95E-04 | 4.10E-04 | 4.10E-04 | 4.54E-04 | 4.83E-04 | 7.47E-09 | 2.99E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | All Urban Counties | N/A | U | Polycyclic Organic Matter | 6.64E-03 | 1.39E-02 | 3.99E-02 | 9.90E-02 | 1.13E-01 | 1.59E-01 | 2.16E-01 | 2.60E-01 | 1.65E-02 | 7.74E-02 | 1.42E-02 | 4.69E-03 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | 7-PAH | 2.84E-04 | 4.58E-04 | 9.49E-04 | 1.60E-03 | 1.94E-03 | 3.26E-03 | 3.21E-03 | 4.60E-03 | 1.32E-05 | 1.79E-03 | 9.52E-05 | 3.39E-05 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Propylene Dichloride | 2.25E-07 | 5.77E-07 | 2.00E-06 | 7.87E-06 | 9.50E-06 | 1.29E-05 | 1.97E-05 | 2.41E-05 | 0.00E+00 | 9.50E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Quinoline | 1.48E-09 | 2.79E-09 | 4.17E-08 | 4.07E-07 | 5.57E-07 | 7.55E-07 | 1.22E-06 | 1.79E-06 | 0.00E+00 | 5.57E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | 1,1,1,2,2-Tetrachloroethane | 8.47E-06 | 1.54E-05 | 2.95E-05 | 4.10E-05 | 4.97E-05 | 5.49E-05 | 7.31E-05 | 1.03E-04 | 1.18E-05 | 3.79E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Urban Counties | N/A | U | Trichloroethylene | 8.20E-02 | 8.40E-02 | 9.26E-02 | 1.32E-01 | 1.57E-01 | 1.89E-01 | 2.50E-01 | 3.10E-01 | 3.12E-02 | 4.52E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | All Urban Counties | N/A | U | Vinyl Chloride | 1.22E-04 | 1.58E-04 | 2.28E-04 | 3.54E-04 | 6.37E-04 | 5.13E-04 | 1.05E-03 | 1.75E-03 | 1.09E-05 | 6.26E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Acetaldehyde | 2.56E-02 | 3.45E-02 | 5.08E-02 | 8.41E-02 | 1.51E-01 | 1.48E-01 | 2.73E-01 | 3.89E-01 | 2.67E-03 | 7.13E-02 | 5.89E-02 | 1.81E-02 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Acrolein | 2.98E-03 | 3.34E-03 | 4.75E-03 | 7.13E-03 | 8.37E-03 | 9.99E-03 | 1.50E-02 | 1.83E-02 | 4.04E-04 | 2.69E-03 | 3.41E-03 | 1.86E-03 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Acrylonitrile | 2.99E-06 | 5.65E-06 | 1.40E-05 | 3.08E-05 | 5.58E-05 | 6.82E-05 | 1.47E-04 | 2.00E-04 | 4.22E-07 | 5.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Arsenic Compounds | 2.80E-06 | 3.61E-06 | 6.26E-06 | 1.04E-05 | 4.71E-05 | 2.09E-05 | 6.02E-05 | 1.32E-04 | 3.54E-05 | 1.88E-06 | 6.04E-06 | 3.74E-06 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Benzene | 5.11E-01 | 5.16E-01 | 5.29E-01 | 5.52E-01 | 5.94E-01 | 6.15E-01 | 7.45E-01 | 8.28E-01 | 1.76E-03 | 3.90E-02 | 4.78E-02 | 2.57E-02 | 4.80E-01 | |
| Minnesota | All Rural Counties | N/A | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Beryllium Compounds | 1.14E-07 | 1.42E-07 | 2.41E-07 | 4.78E-07 | 1.17E-06 | 9.81E-07 | 2.47E-06 | 3.63E-06 | 4.36E-07 | 4.04E-07 | 0.00E+00 | 3.34E-07 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | 1,3-Butadiene | 1.51E-03 | 1.65E-03 | 2.49E-03 | 3.60E-03 | 6.53E-03 | 6.71E-03 | 1.57E-02 | 2.37E-02 | 3.69E-07 | 6.73E-04 | 3.98E-03 | 1.87E-03 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Cadmium Compounds | 2.57E-07 | 3.78E-07 | 7.01E-07 | 1.57E-06 | 4.01E-06 | 4.34E-06 | 9.39E-06 | 1.23E-05 | 2.56E-06 | 1.10E-06 | 0.00E+00 | 3.51E-07 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.71E-02 | 4.75E-02 | 4.78E-02 | 9.57E-07 | 1.80E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | All Rural Counties | N/A | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 1.01E-05 | 5.69E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | All Rural Counties | N/A | R | Chloroform | 8.31E-02 | 8.33E-02 | 8.36E-02 | 8.42E-02 | 8.61E-02 | 8.55E-02 | 8.89E-02 | 9.72E-02 | 1.70E-04 | 2.89E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | All Rural Counties | N/A | R | Chromium Compounds (includes Hexavalent) | 1.27E-06 | 2.14E-06 | 3.60E-06 | 1.07E-05 | 1.51E-04 | 4.84E-05 | 2.31E-04 | 7.76E-04 | 1.36E-04 | 1.13E-05 | 3.66E-06 | 3.92E-07 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Chromium VI | 5.01E-07 | 7.19E-07 | 1.40E-06 | 3.63E-06 | 5.29E-05 | 1.33E-05 | 8.34E-05 | 2.78E-04 | 4.58E-05 | 5.53E-06 | 1.47E-06 | 1.33E-07 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | 1,4-Dichlorobenzene | 2.72E-04 | 4.18E-04 | 7.79E-04 | 1.21E-03 | 2.94E-03 | 3.07E-03 | 7.98E-03 | 1.15E-02 | 0.00E+00 | 2.94E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | 1,3-Dichloropropene | 1.07E-03 | 1.55E-03 | 2.97E-03 | 4.68E-03 | 1.17E-02 | 1.18E-02 | 3.24E-02 | 4.64E-02 | 3.17E-09 | 1.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.21E-07 | 6.58E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | All Rural Counties | N/A | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 3.75E-06 | 2.28E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | All Rural Counties | N/A | R | Ethylene Oxide | 5.65E-05 | 8.54E-05 | 1.62E-04 | 2.68E-04 | 6.85E-04 | 6.78E-04 | 1.97E-03 | 2.88E-03 | 0.00E+00 | 6.85E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Formaldehyde | 2.84E-01 | 2.89E-01 | 2.99E-01 | 3.13E-01 | 3.31E-01 | 3.38E-01 | 3.93E-01 | 4.34E-01 | 6.52E-03 | 1.09E-02 | 3.20E-02 | 3.15E-02 | 2.50E-01 | |
| Minnesota | All Rural Counties | N/A | R | Hexachlorobenzene | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.33E-05 | 9.37E-05 | 9.40E-05 | 0.00E+00 | 2.64E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | All Rural Counties | N/A | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.41E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | All Rural Counties | N/A | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.54E-04 | 4.72E-07 | 6.53E-05 | 9.94E-04 | 1.33E-04 | 2.09E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Hydrazine | 0.00E+00 | 0.00E+00 | 9.38E-12 | 5.46E-11 | 1.99E-09 | 5.98E-10 | 4.19E-09 | 9.23E-09 | 0.00E+00 | 1.99E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Lead Compounds | 9.26E-06 | 1.47E-05 | 3.66E-05 | 7.96E-05 | 3.75E-04 | 2.17E-04 | 8.35E-04 | 1.99E-03 | 1.47E-04 | 9.89E-05 | 0.00E+00 | 1.29E-04 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Manganese Compounds | 1.56E-06 | 2.63E-06 | 6.11E-06 | 1.61E-05 | 2.86E-04 | 5.96E-05 | 3.49E-04 | 1.15E-03 | 1.62E-04 | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|--------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | All Rural Counties | N/A | R | 7-PAH | 9.46E-05 | 1.06E-04 | 1.80E-04 | 3.28E-04 | 4.04E-04 | 4.99E-04 | 8.34E-04 | 1.15E-03 | 6.03E-08 | 3.88E-04 | 8.53E-06 | 7.59E-06 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Propylene Dichloride | 2.39E-08 | 4.49E-08 | 7.44E-08 | 1.58E-07 | 5.52E-07 | 5.23E-07 | 1.56E-06 | 2.24E-06 | 0.00E+00 | 5.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Quinoline | 0.00E+00 | 0.00E+00 | 2.67E-10 | 1.12E-09 | 7.57E-09 | 4.77E-09 | 1.91E-08 | 3.81E-08 | 0.00E+00 | 7.57E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | 1,1,2,2-Tetrachloroethane | 5.54E-07 | 1.20E-06 | 3.23E-06 | 8.55E-06 | 1.38E-05 | 1.91E-05 | 3.48E-05 | 4.57E-05 | 4.95E-09 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | All Rural Counties | N/A | R | Trichloroethylene | 8.11E-02 | 8.12E-02 | 8.13E-02 | 8.16E-02 | 8.33E-02 | 8.29E-02 | 8.76E-02 | 9.10E-02 | 1.72E-04 | 2.16E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | All Rural Counties | N/A | R | Vinyl Chloride | 2.87E-06 | 6.31E-06 | 2.15E-05 | 7.29E-05 | 2.69E-04 | 1.72E-04 | 5.80E-04 | 1.19E-03 | 9.57E-08 | 2.69E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Acetaldehyde | 1.41E-02 | 1.41E-02 | 2.42E-02 | 2.46E-02 | 3.42E-02 | 3.57E-02 | 7.25E-02 | 7.25E-02 | 2.33E-04 | 6.02E-03 | 2.44E-02 | 3.59E-03 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Acrolein | 6.49E-03 | 6.49E-03 | 6.72E-03 | 6.85E-03 | 7.57E-03 | 7.14E-03 | 1.06E-02 | 1.06E-02 | 4.08E-05 | 4.85E-03 | 1.38E-03 | 1.31E-03 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Acrylonitrile | 2.95E-06 | 2.95E-06 | 3.82E-06 | 4.66E-06 | 2.57E-05 | 2.63E-05 | 9.08E-05 | 9.08E-05 | 0.00E+00 | 2.57E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Arsenic Compounds | 1.60E-06 | 1.60E-06 | 1.93E-06 | 3.23E-06 | 5.61E-06 | 4.77E-06 | 1.65E-05 | 1.65E-05 | 2.45E-06 | 3.09E-07 | 2.12E-06 | 7.34E-07 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Benzene | 5.16E-01 | 5.16E-01 | 5.17E-01 | 5.18E-01 | 5.41E-01 | 5.40E-01 | 6.15E-01 | 6.15E-01 | 6.34E-05 | 2.50E-02 | 1.57E-02 | 2.03E-02 | 4.80E-01 | |
| Minnesota | Aitkin County | 27001 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Beryllium Compounds | 1.17E-07 | 1.17E-07 | 1.44E-07 | 1.77E-07 | 2.96E-07 | 1.90E-07 | 8.53E-07 | 8.53E-07 | 2.01E-08 | 1.42E-07 | 0.00E+00 | 1.34E-07 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | 1,3-Butadiene | 2.21E-03 | 2.21E-03 | 2.31E-03 | 2.44E-03 | 3.47E-03 | 2.89E-03 | 7.52E-03 | 7.52E-03 | 0.00E+00 | 1.35E-03 | 1.07E-03 | 1.06E-03 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Cadmium Compounds | 2.19E-07 | 2.19E-07 | 2.63E-07 | 4.27E-07 | 1.83E-06 | 8.57E-07 | 7.39E-06 | 7.39E-06 | 1.42E-06 | 2.83E-07 | 0.00E+00 | 1.34E-07 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.72E-02 | 4.72E-02 | 2.94E-07 | 4.48E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Aitkin County | 27001 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.36E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Aitkin County | 27001 | R | Chloroform | 8.34E-02 | 8.34E-02 | 8.35E-02 | 8.36E-02 | 8.39E-02 | 8.36E-02 | 8.56E-02 | 8.56E-02 | 1.16E-07 | 1.94E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Aitkin County | 27001 | R | Chromium Compounds (includes Hexavalent) | 8.35E-07 | 8.35E-07 | 1.12E-06 | 5.97E-06 | 9.87E-06 | 7.73E-06 | 3.37E-05 | 3.37E-05 | 7.39E-06 | 1.01E-06 | 1.25E-06 | 2.12E-07 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Chromium VI | 3.38E-07 | 3.38E-07 | 4.70E-07 | 3.42E-06 | 4.23E-06 | 4.07E-06 | 1.28E-05 | 1.28E-05 | 2.80E-06 | 8.58E-07 | 4.95E-07 | 7.22E-08 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | 1,4-Dichlorobenzene | 2.72E-04 | 2.72E-04 | 3.35E-04 | 4.00E-04 | 7.54E-04 | 6.01E-04 | 2.16E-03 | 2.16E-03 | 0.00E+00 | 7.54E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | 1,3-Dichloropropene | 1.06E-03 | 1.06E-03 | 1.30E-03 | 1.51E-03 | 2.96E-03 | 2.32E-03 | 8.64E-03 | 8.64E-03 | 0.00E+00 | 2.96E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.36E-09 | 2.19E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Aitkin County | 27001 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 9.04E-08 | 3.99E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Aitkin County | 27001 | R | Ethylene Oxide | 5.65E-05 | 5.65E-05 | 7.48E-05 | 9.47E-05 | 2.13E-04 | 1.42E-04 | 7.00E-04 | 7.00E-04 | 0.00E+00 | 2.13E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Formaldehyde | 2.79E-01 | 2.79E-01 | 2.82E-01 | 2.87E-01 | 2.91E-01 | 2.89E-01 | 3.18E-01 | 3.18E-01 | 2.19E-03 | 1.96E-02 | 1.17E-02 | 7.72E-03 | 2.50E-01 | |
| Minnesota | Aitkin County | 27001 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.30E-05 | 9.33E-05 | 9.33E-05 | 0.00E+00 | 9.66E-08 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Aitkin County | 27001 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 6.68E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Aitkin County | 27001 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 5.31E-15 | 2.07E-12 | 4.16E-12 | 6.20E-12 | 6.20E-12 | 0.00E+00 | 2.07E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Lead Compounds | 2.95E-06 | 2.95E-06 | 9.53E-06 | 2.48E-05 | 6.34E-05 | 4.05E-05 | 2.39E-04 | 2.39E-04 | 3.88E-06 | 4.68E-06 | 0.00E+00 | 5.48E-05 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Manganese Compounds | 5.17E-06 | 5.17E-06 | 8.71E-06 | 2.29E-05 | 7.99E-05 | 2.46E-05 | 3.38E-04 | 3.38E-04 | 7.01E-05 | 9.27E-06 | 3.95E-07 | 1.16E-07 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 5.47E-07 | 3.12E-07 | 2.51E-06 | 6.78E-07 | 1.50E-03 | |
| Minnesota | Aitkin County | 27001 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.52E-01 | 1.52E-01 | 1.55E-01 | 1.55E-01 | 1.66E-01 | 1.66E-01 | 9.07E-07 | 4.76E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Aitkin County | 27001 | R | Nickel Compounds | 1.08E-06 | 1.08E-06 | 2.18E-06 | 2.50E-06 | 4.48E-06 | 5.31E-06 | 1.13E-05 | 1.13E-05 | 4.78E-07 | 2.71E-06 | 9.29E-07 | 3.68E-07 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 9.05E-08 | 9.20E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Aitkin County | 27001 | R | Polychlorinated Biphenyls | 3.82E-04 | 3.82E-04 | 3.83E-04 | 3.85E-04 | 3.91E-04 | 3.85E-04 | 4.19E-04 | 4.19E-04 | 0.00E+00 | 1.07E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Aitkin County | 27001 | R | Polycyclic Organic Matter | 2.50E-03 | 2.50E-03 | 2.55E-03 | 2.82E-03 | 4.35E-03 | 4.06E-03 | 9.81E-03 | 9.81E-03 | 3.04E-05 | 3.80E-03 | 3.69E-04 | 1.48E-04 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | 7-PAH | 2.79E-04 | 2.79E-04 | 2.92E-04 | 3.02E-04 | 3.72E-04 | 3.23E-04 | 6.63E-04 | 6.63E-04 | 3.34E-08 | 3.63E-04 | 3.00E-06 | 5.83E-06 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Propylene Dichloride | 1.24E-08 | 1.24E-08 | 4.49E-08 | 5.38E-08 | 1.11E-07 | 5.71E-08 | 3.89E-07 | 3.89E-07 | 0.00E+00 | 1.11E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.63E-13 | 5.56E-11 | 1.24E-10 | 1.54E-10 | 1.54E-10 | 0.00E+00 | 5.56E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | 1,1,2,2-Tetrachloroethane | 7.47E-07 | 7.47E-07 | 8.13E-07 | 9.21E-07 | 7.05E-06 | 7.83E-06 | 2.50E-05 | 2.50E-05 | 0.00E+00 | 7.05E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Aitkin County | 27001 | R | Trichloroethylene | 8.10E-02 | 8.10E-02 | 8.11E-02 | 8.12E-02 | 8.14E-02 | 8.12E-02 | 8.24E-02 | 8.24E-02 | 0.00E+00 | 3.91E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Aitkin County | 27001 | R | Vinyl Chloride | 4.31E-06 | 4.31E-06 | 9.13E-06 | 1.06E-05 | 3.90E-05 | 3.55E-05 | 1.36E-04 | 1.36E-04 | 0.00E+00 | 3.90E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Acetaldehyde | 2.94E-01 | 3.96E-01 | 5.74E-01 | 7.29E-01 | 9.56E-01 | 1.10E+00 | 2.08E+00 | 2.45E+00 | 9.72E-03 | 1.27E-01 | 7.44E-01 | 7.53E-02 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Acrolein | 3.28E-02 | 4.36E-02 | 6.76E-02 | 8.45E-02 | 8.78E-02 | 1.08E-01 | 1.37E-01 | 1.44E-01 | 1.24E-03 | 8.08E-03 | 6.64E-02 | 1.21E-02 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Acrylonitrile | 1.87E-04 | 2.05E-04 | 2.16E-04 | 2.45E-04 | 2.83E-04 | 3.16E-04 | 3.67E-04 | 4.38E-04 | 8.79E-06 | 2.74E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Arsenic Compounds | 4.23E-05 | 5.69E-05 | 9.14E-05 | 1.18E-04 | 1.34E-04 | 1.67E-04 | 2.31E-04 | 2.81E-04 | 3.71E-05 | 1.55E-05 | 6.46E-05 | 1.64E-05 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Benzene | 1.14E+00 | 1.24E+00 | 1.35E+00 | 1.56E+00 | 1.73E+00 | 1.87E+00 | 2.79E+00 | 3.16E+00 | 1.25E-01 | 2.16E-01 | 8.23E-01 | 8.81E-02 | 4.80E-01 | |
| Minnesota | Anoka County | 27003 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Beryllium Compounds | 2.96E-06 | 3.81E-06 | 4.95E-06 | 5.91E-06 | 6.83E-06 | 6.87E-06 | 1.15E-05 | 1.59E-05 | 6.15E-07 | 4.49E-06 | 0.00E+00 | 1.73E-06 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | 1,3-Butadiene | 9.31E-03 | 1.09E-02 | 1.77E-02 | 2.89E-02 | 4.75E-02 | 4.73E-02 | 1.86E-01 | 1.86E-01 | 1.84E-04 | 3.60E-04 | 4.06E-02 | 6.32E-03 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Cadmium Compounds | 9.59E-06 | 1.58E-05 | 2.23E-05 | 3.01E-05 | 3.31E-05 | 4.08E-05 | 5.77E-05 | 7.01E-05 | 2.17E-05 | 9.50E-06 | 0.00E+00 | 1.94E-06 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Carbon Disulfide | 4.77E-02 | 4.80E-02 | 4.90E-02 | 5.02E-02 | 5.11E-02 | 5.15E-02 | 5.53E-02 | 5.69E-02 | 6.14E-04 | 3.46E-03 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Anoka County | 27003 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 2.05E-07 | 3.30E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Anoka County | 27003 | U | Chloroform | 1.02E-01 | 1.09E-01 | 1.26E-01 | 1.53E-01 | 1.48E-01 | 1.66E-01 | 1.76E-01 | 1.83E-01 | 1.17E-04 | 6.46E- | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|---------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Anoka County | 27003 | U | Ethylene Oxide | 3.47E-03 | 4.59E-03 | 7.52E-03 | 1.25E-02 | 1.13E-02 | 1.46E-02 | 1.70E-02 | 1.86E-02 | 0.00E+00 | 1.13E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Anoka County | 27003 | U | Formaldehyde | 4.68E-01 | 5.35E-01 | 6.89E-01 | 8.44E-01 | 9.46E-01 | 1.04E+00 | 1.62E+00 | 1.97E+00 | 2.77E-02 | 3.35E-02 | 4.90E-01 | 1.45E-01 | 2.50E-01 | 2.50E-01 | |
| Minnesota | Anoka County | 27003 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.57E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Anoka County | 27003 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.82E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Anoka County | 27003 | U | Hexamethylene Diisocyanate | 3.34E-05 | 6.27E-05 | 1.10E-04 | 1.31E-04 | 1.44E-04 | 1.81E-04 | 2.36E-04 | 2.84E-04 | 5.54E-05 | 8.91E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Hydrazine | 4.93E-09 | 7.24E-09 | 1.36E-08 | 3.57E-08 | 1.54E-07 | 8.86E-08 | 4.93E-07 | 6.05E-07 | 2.87E-09 | 1.51E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Lead Compounds | 4.87E-04 | 1.32E-03 | 3.07E-03 | 4.53E-03 | 4.55E-03 | 5.89E-03 | 7.96E-03 | 8.45E-03 | 1.46E-03 | 1.31E-03 | 0.00E+00 | 1.78E-03 | 0.00E+00 | 1.78E-03 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Manganese Compounds | 4.01E-04 | 4.52E-04 | 7.66E-04 | 1.02E-03 | 1.58E-03 | 1.77E-03 | 3.00E-03 | 5.21E-03 | 3.63E-04 | 1.19E-03 | 1.77E-05 | 3.70E-06 | 0.00E+00 | 3.70E-06 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Mercury Compounds | 1.54E-03 | 1.55E-03 | 1.59E-03 | 1.62E-03 | 1.63E-03 | 1.66E-03 | 1.72E-03 | 1.76E-03 | 1.53E-05 | 3.46E-05 | 6.25E-05 | 1.57E-05 | 1.50E-03 | 1.50E-03 | 1.50E-03 |
| Minnesota | Anoka County | 27003 | U | Methylene Chloride | 2.02E-01 | 2.21E-01 | 2.63E-01 | 3.45E-01 | 3.55E-01 | 4.00E-01 | 5.12E-01 | 5.70E-01 | 1.55E-03 | 2.03E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Anoka County | 27003 | U | Nickel Compounds | 4.07E-04 | 5.37E-04 | 6.67E-04 | 7.91E-04 | 1.14E-03 | 1.15E-03 | 2.61E-03 | 2.94E-03 | 2.90E-04 | 7.60E-04 | 4.17E-05 | 4.46E-05 | 0.00E+00 | 4.46E-05 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Perchloroethylene | 1.54E-01 | 1.60E-01 | 1.72E-01 | 1.92E-01 | 1.89E-01 | 2.02E-01 | 2.14E-01 | 2.25E-01 | 9.68E-04 | 4.82E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Anoka County | 27003 | U | Polychlorinated Biphenyls | 3.93E-04 | 3.94E-04 | 3.95E-04 | 3.95E-04 | 3.96E-04 | 3.96E-04 | 4.00E-04 | 4.02E-04 | 1.55E-08 | 1.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Anoka County | 27003 | U | Polycyclic Organic Matter | 4.94E-02 | 6.18E-02 | 8.00E-02 | 1.14E-01 | 1.18E-01 | 1.47E-01 | 1.83E-01 | 2.12E-01 | 1.82E-02 | 1.86E-02 | 0.00E+00 | 1.52E-02 | 3.04E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | 7-PAH | 1.52E-03 | 1.55E-03 | 1.65E-03 | 1.88E-03 | 2.00E-03 | 2.20E-03 | 2.65E-03 | 3.05E-03 | 8.20E-06 | 1.86E-03 | 1.02E-04 | 2.62E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Propylene Dichloride | 1.85E-06 | 2.65E-06 | 4.47E-06 | 6.62E-06 | 9.39E-06 | 9.63E-06 | 1.97E-05 | 2.28E-05 | 0.00E+00 | 9.39E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Quinoline | 1.24E-07 | 1.69E-07 | 2.57E-07 | 4.07E-07 | 7.19E-07 | 6.23E-07 | 1.81E-06 | 2.05E-06 | 0.00E+00 | 7.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | 1,1,2,2-Tetrachloroethane | 2.81E-05 | 2.89E-05 | 3.05E-05 | 3.90E-05 | 5.04E-05 | 6.72E-05 | 9.65E-05 | 1.07E-04 | 8.16E-06 | 4.22E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Anoka County | 27003 | U | Trichloroethylene | 1.00E-01 | 1.06E-01 | 1.23E-01 | 1.36E-01 | 1.49E-01 | 1.55E-01 | 2.06E-01 | 2.61E-01 | 1.98E-02 | 4.84E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 8.10E-02 |
| Minnesota | Anoka County | 27003 | U | Vinyl Chloride | 1.56E-04 | 1.57E-04 | 1.67E-04 | 1.96E-04 | 2.28E-04 | 2.86E-04 | 3.45E-04 | 3.61E-04 | 1.27E-05 | 2.16E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Acetaldehyde | 2.79E-02 | 2.96E-02 | 3.68E-02 | 6.52E-02 | 7.54E-02 | 8.76E-02 | 1.56E-01 | 1.67E-01 | 2.04E-05 | 3.53E-03 | 6.04E-02 | 1.14E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Acrolein | 4.64E-03 | 5.40E-03 | 6.52E-03 | 7.73E-03 | 9.27E-03 | 9.48E-03 | 1.74E-02 | 1.83E-02 | 6.63E-07 | 3.37E-03 | 3.51E-03 | 2.39E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Acrylonitrile | 3.18E-06 | 5.56E-06 | 8.61E-06 | 1.50E-05 | 2.53E-05 | 1.99E-05 | 7.70E-05 | 9.61E-05 | 0.00E+00 | 2.53E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Arsenic Compounds | 3.32E-06 | 3.55E-06 | 3.89E-06 | 8.81E-06 | 1.13E-05 | 9.73E-06 | 2.88E-05 | 3.10E-05 | 3.92E-07 | 1.00E-06 | 6.57E-06 | 3.34E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Benzene | 5.31E-01 | 5.34E-01 | 5.37E-01 | 5.79E-01 | 6.27E-01 | 6.17E-01 | 8.63E-01 | 8.97E-01 | 1.19E-06 | 5.66E-02 | 5.19E-02 | 3.83E-02 | 4.80E-01 | 4.80E-01 | 4.80E-01 |
| Minnesota | Becker County | 27005 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Beryllium Compounds | 1.67E-07 | 2.04E-07 | 2.90E-07 | 8.84E-07 | 1.26E-06 | 1.45E-06 | 3.39E-06 | 4.31E-06 | 4.12E-08 | 3.16E-07 | 0.00E+00 | 9.05E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | 1,3-Butadiene | 2.18E-03 | 2.34E-03 | 2.75E-03 | 4.74E-03 | 8.09E-03 | 7.36E-03 | 2.35E-02 | 2.49E-02 | 9.48E-13 | 9.35E-04 | 4.57E-03 | 2.58E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Cadmium Compounds | 6.19E-07 | 6.85E-07 | 9.37E-07 | 1.93E-06 | 2.60E-06 | 3.35E-06 | 6.04E-06 | 7.04E-06 | 7.38E-07 | 9.63E-07 | 0.00E+00 | 9.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.71E-02 | 4.78E-02 | 4.80E-02 | 1.18E-07 | 2.00E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.70E-02 |
| Minnesota | Becker County | 27005 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.59E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 8.80E-01 |
| Minnesota | Becker County | 27005 | R | Chloroform | 8.33E-02 | 8.34E-02 | 8.35E-02 | 8.39E-02 | 8.46E-02 | 8.46E-02 | 8.74E-02 | 8.78E-02 | 5.34E-08 | 1.58E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 8.30E-02 |
| Minnesota | Becker County | 27005 | R | Chromium Compounds (includes Hexavalent) | 1.63E-06 | 2.42E-06 | 4.52E-06 | 7.37E-06 | 5.33E-06 | 9.62E-06 | 9.98E-06 | 1.01E-03 | 5.28E-04 | 1.17E-06 | 3.93E-06 | 5.41E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Chromium VI | 6.17E-07 | 9.38E-07 | 1.78E-06 | 2.51E-04 | 1.82E-04 | 3.28E-04 | 3.40E-04 | 3.45E-04 | 1.79E-04 | 5.11E-07 | 1.59E-06 | 1.84E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | 1,4-Dichlorobenzene | 6.10E-04 | 6.73E-04 | 8.48E-04 | 1.81E-03 | 3.16E-03 | 2.50E-03 | 9.95E-03 | 1.05E-02 | 0.00E+00 | 3.16E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | 1,3-Dichloropropene | 2.34E-03 | 2.59E-03 | 3.28E-03 | 7.20E-03 | 1.27E-02 | 1.00E-02 | 4.04E-02 | 4.27E-02 | 0.00E+00 | 1.27E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 4.01E-07 | 9.03E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 7.70E-03 |
| Minnesota | Becker County | 27005 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 3.62E-08 | 1.76E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 6.10E-02 |
| Minnesota | Becker County | 27005 | R | Ethylene Oxide | 1.26E-04 | 1.44E-04 | 1.82E-04 | 3.89E-04 | 7.30E-04 | 5.29E-04 | 2.42E-03 | 2.72E-03 | 0.00E+00 | 7.30E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Formaldehyde | 2.84E-01 | 2.85E-01 | 2.87E-01 | 3.05E-01 | 3.21E-01 | 3.23E-01 | 4.05E-01 | 4.15E-01 | 7.70E-04 | 1.34E-02 | 3.34E-02 | 2.33E-02 | 2.50E-01 | 2.50E-01 | 2.50E-01 |
| Minnesota | Becker County | 27005 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.41E-05 | 9.42E-05 | 0.00E+00 | 3.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 9.30E-05 |
| Minnesota | Becker County | 27005 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 1.80E-03 |
| Minnesota | Becker County | 27005 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.77E-04 | 7.06E-04 | 1.28E-03 | 1.32E-03 | 1.34E-03 | 7.06E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Hydrazine | 9.94E-12 | 2.38E-11 | 4.23E-11 | 3.62E-10 | 2.42E-09 | 1.12E-09 | 1.08E-08 | 1.83E-08 | 0.00E+00 | 2.42E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Lead Compounds | 1.75E-05 | 3.02E-05 | 6.98E-05 | 7.87E-05 | 1.14E-04 | 1.20E-04 | 2.88E-04 | 3.49E-04 | 5.56E-06 | 2.77E-05 | 0.00E+00 | 8.08E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Manganese Compounds | 4.50E-06 | 4.56E-06 | 6.30E-06 | 9.30E-06 | 1.47E-05 | 1.76E-05 | 3.74E-05 | 5.61E-05 | 1.36E-06 | 1.17E-05 | 1.25E-06 | 3.92E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.54E-03 | 1.54E-03 | 3.63E-06 | 1.28E-06 | 7.73E-06 | 3.69E-06 | 1.50E-03 | 1.50E-03 | 1.50E-03 |
| Minnesota | Becker County | 27005 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.54E-01 | 1.60E-01 | 1.71E-01 | 1.62E-01 | 2.23E-01 | 2.38E-01 | 2.49E-07 | 2.05E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Becker County | 27005 | R | Nickel Compounds | 6.20E-06 | 6.24E-06 | 1.11E-05 | 1.44E-05 | 2.69E-05 | 1.79E-05 | 8.45E-05 | 9.74E-05 | 5.60E-07 | 2.26E-05 | 2.69E-06 | 7.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Becker County | 27005 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.42E-01 | 1.51E-01 | 1.53E-01 | 3.69E-08 | 3.39E-0 | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Beltrami County | 27007 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Beryllium Compounds | 3.84E-08 | 3.84E-08 | 1.80E-07 | 3.06E-07 | 9.77E-07 | 1.12E-06 | 3.05E-06 | 3.05E-06 | 3.49E-10 | 6.96E-07 | 0.00E+00 | 2.81E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | 1,3-Butadiene | 4.31E-03 | 4.31E-03 | 4.84E-03 | 4.87E-03 | 1.05E-02 | 1.15E-02 | 2.80E-02 | 2.80E-02 | 1.98E-03 | 5.94E-03 | 2.61E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Cadmium Compounds | 8.92E-08 | 8.92E-08 | 5.24E-07 | 8.35E-07 | 3.29E-06 | 3.50E-06 | 1.13E-05 | 1.13E-05 | 3.20E-07 | 2.69E-06 | 0.00E+00 | 2.81E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.78E-02 | 4.78E-02 | 0.00E+00 | 2.30E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 7.00E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Chloroform | 8.34E-02 | 8.34E-02 | 8.42E-02 | 8.47E-02 | 8.82E-02 | 8.88E-02 | 9.96E-02 | 9.96E-02 | 0.00E+00 | 5.17E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Chromium Compounds (includes Hexavalent) | 1.14E-06 | 1.14E-06 | 3.31E-06 | 5.30E-06 | 2.16E-05 | 2.20E-05 | 7.56E-05 | 7.56E-05 | 2.76E-06 | 1.37E-05 | 4.64E-06 | 4.58E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Chromium VI | 4.55E-07 | 4.55E-07 | 1.52E-06 | 2.51E-06 | 1.08E-05 | 1.09E-05 | 3.83E-05 | 3.83E-05 | 1.24E-06 | 7.60E-06 | 1.84E-06 | 1.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | 1,4-Dichlorobenzene | 2.81E-04 | 2.81E-04 | 1.01E-03 | 1.38E-03 | 4.12E-03 | 4.60E-03 | 1.32E-02 | 1.32E-02 | 0.00E+00 | 4.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | 1,3-Dichloropropene | 1.11E-03 | 1.11E-03 | 3.97E-03 | 5.44E-03 | 1.67E-02 | 1.86E-02 | 5.37E-02 | 5.37E-02 | 0.00E+00 | 1.67E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 3.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 0.00E+00 | 1.89E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Ethylene Oxide | 5.46E-05 | 5.46E-05 | 2.06E-04 | 2.96E-04 | 9.79E-04 | 1.10E-03 | 3.21E-03 | 3.21E-03 | 0.00E+00 | 9.79E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Formaldehyde | 2.96E-01 | 2.96E-01 | 3.05E-01 | 3.28E-01 | 3.82E-01 | 3.97E-01 | 6.06E-01 | 6.06E-01 | 4.71E-02 | 2.76E-02 | 3.87E-02 | 1.89E-02 | 2.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.34E-05 | 9.39E-05 | 9.39E-05 | 0.00E+00 | 2.96E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.56E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Lead Compounds | 2.17E-06 | 2.17E-06 | 7.72E-06 | 1.34E-05 | 6.77E-05 | 6.38E-05 | 2.39E-04 | 2.39E-04 | 7.27E-06 | 5.84E-05 | 0.00E+00 | 2.03E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Manganese Compounds | 1.25E-05 | 1.25E-05 | 1.16E-04 | 2.21E-04 | 1.19E-03 | 1.15E-03 | 4.40E-03 | 4.40E-03 | 1.70E-04 | 1.02E-03 | 1.52E-06 | 2.74E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.52E-03 | 1.54E-03 | 1.54E-03 | 8.68E-08 | 1.78E-06 | 8.86E-06 | 1.77E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.54E-01 | 1.57E-01 | 1.76E-01 | 1.81E-01 | 2.38E-01 | 2.38E-01 | 0.00E+00 | 2.61E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Nickel Compounds | 1.12E-06 | 1.12E-06 | 4.69E-06 | 6.93E-06 | 2.30E-05 | 2.55E-05 | 7.47E-05 | 7.47E-05 | 9.66E-07 | 1.78E-05 | 3.52E-06 | 7.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.46E-01 | 1.59E-01 | 1.59E-01 | 1.59E-01 | 0.00E+00 | 5.12E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Polychlorinated Biphenyls | 3.81E-04 | 3.81E-04 | 3.86E-04 | 3.90E-04 | 4.13E-04 | 4.25E-04 | 4.85E-04 | 4.85E-04 | 0.00E+00 | 3.31E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Polycyclic Organic Matter | 1.82E-03 | 1.82E-03 | 5.15E-03 | 6.58E-03 | 1.41E-02 | 1.63E-02 | 4.18E-02 | 4.18E-02 | 1.33E-03 | 1.11E-02 | 1.38E-03 | 3.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | 7-PAH | 2.81E-04 | 2.81E-04 | 4.23E-04 | 4.68E-04 | 6.22E-04 | 6.22E-04 | 8.60E-04 | 8.60E-04 | 1.25E-03 | 4.79E-07 | 5.99E-04 | 1.09E-05 | 1.11E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Propylene Dichloride | 9.33E-09 | 9.33E-09 | 7.94E-08 | 1.35E-07 | 5.91E-07 | 4.71E-07 | 2.09E-06 | 2.09E-06 | 0.00E+00 | 5.91E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | 1,1,2,2-Tetrachloroethane | 1.46E-09 | 1.46E-09 | 3.58E-06 | 6.93E-06 | 1.83E-05 | 4.20E-05 | 4.42E-05 | 4.42E-05 | 0.00E+00 | 1.83E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Trichloroethylene | 8.10E-02 | 8.10E-02 | 8.13E-02 | 8.15E-02 | 8.34E-02 | 8.29E-02 | 8.95E-02 | 8.95E-02 | 0.00E+00 | 2.38E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Beltrami County | 27007 | R | Vinyl Chloride | 2.87E-06 | 2.87E-06 | 3.18E-05 | 5.28E-05 | 2.14E-04 | 2.27E-04 | 7.22E-04 | 7.22E-04 | 0.00E+00 | 2.14E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Acetaldehyde | 1.17E-01 | 1.17E-01 | 1.24E-01 | 1.76E-01 | 2.88E-01 | 5.24E-01 | 6.13E-01 | 6.13E-01 | 1.19E-04 | 5.14E-02 | 2.22E-01 | 1.48E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Acrolein | 8.81E-03 | 8.81E-03 | 9.09E-03 | 1.19E-02 | 1.66E-02 | 2.90E-02 | 2.90E-02 | 2.90E-02 | 1.59E-05 | 3.27E-03 | 1.11E-02 | 2.24E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Acrylonitrile | 2.01E-05 | 2.01E-05 | 2.04E-05 | 3.34E-05 | 3.14E-05 | 4.01E-05 | 4.10E-05 | 4.10E-05 | 0.00E+00 | 3.14E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Arsenic Compounds | 1.28E-05 | 1.28E-05 | 1.31E-05 | 1.72E-05 | 3.01E-05 | 3.10E-05 | 6.19E-05 | 6.19E-05 | 2.36E-06 | 4.30E-06 | 1.84E-05 | 5.04E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Benzene | 5.73E-01 | 5.73E-01 | 6.29E-01 | 6.90E-01 | 7.72E-01 | 1.01E+00 | 1.04E+00 | 1.04E+00 | 4.20E-02 | 7.02E-02 | 1.54E-01 | 2.58E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Beryllium Compounds | 9.03E-07 | 9.03E-07 | 9.24E-07 | 2.08E-06 | 3.13E-06 | 6.25E-06 | 6.53E-06 | 6.53E-06 | 2.59E-07 | 1.43E-06 | 0.00E+00 | 1.44E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | 1,3-Butadiene | 3.39E-03 | 3.39E-03 | 3.49E-03 | 5.67E-03 | 1.49E-02 | 3.36E-02 | 3.77E-02 | 3.77E-02 | 8.16E-10 | 3.19E-04 | 1.22E-02 | 2.36E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Cadmium Compounds | 5.70E-06 | 5.70E-06 | 6.85E-06 | 7.60E-06 | 9.63E-06 | 1.49E-05 | 1.51E-05 | 1.51E-05 | 5.26E-06 | 2.92E-06 | 0.00E+00 | 1.45E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 4.74E-02 | 1.18E-05 | 2.08E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 6.24E-08 | 5.03E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Chloroform | 8.50E-02 | 8.50E-02 | 8.53E-02 | 8.72E-02 | 9.11E-02 | 1.00E-01 | 1.01E-01 | 1.01E-01 | 4.74E-06 | 8.10E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Chromium Compounds (includes Hexavalent) | 7.15E-05 | 7.15E-05 | 7.43E-05 | 1.99E-04 | 2.26E-04 | 3.49E-04 | 4.65E-04 | 4.65E-04 | 1.50E-05 | 1.99E-04 | 1.19E-05 | 7.22E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Chromium VI | 7.37E-06 | 7.37E-06 | 7.46E-06 | 1.68E-05 | 2.18E-05 | 3.61E-05 | 4.65E-05 | 4.65E-05 | 1.69E-06 | 1.52E-05 | 4.74E-06 | 2.45E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | 1,4-Dichlorobenzene | 2.38E-03 | 2.38E-03 | 2.82E-03 | 4.59E-03 | 1.10E-02 | 2.50E-02 | 2.64E-02 | 2.64E-02 | 0.00E+00 | 1.10E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | 1,3-Dichloropropene | 9.11E-03 | 9.11E-03 | 1.0 | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Benton County | 27009 | U | Perchloroethylene | 1.43E-01 | 1.43E-01 | 1.44E-01 | 1.46E-01 | 1.51E-01 | 1.62E-01 | 1.65E-01 | 1.65E-01 | 1.80E-05 | 1.06E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Benton County | 27009 | U | Polychlorinated Biphenyls | 3.93E-04 | 3.93E-04 | 3.97E-04 | 4.09E-04 | 4.45E-04 | 5.21E-04 | 5.42E-04 | 5.42E-04 | 4.82E-09 | 6.53E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Benton County | 27009 | U | Polycyclic Organic Matter | 9.16E-03 | 9.16E-03 | 1.01E-02 | 1.46E-02 | 2.65E-02 | 5.18E-02 | 5.88E-02 | 5.88E-02 | 7.27E-05 | 2.21E-02 | 3.52E-03 | 8.05E-04 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | 7-PAH | 4.04E-04 | 4.04E-04 | 4.34E-04 | 6.28E-04 | 8.69E-04 | 1.43E-03 | 1.69E-03 | 1.69E-03 | 1.05E-08 | 8.32E-04 | 2.69E-05 | 9.20E-06 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Propylene Dichloride | 2.43E-07 | 2.43E-07 | 2.63E-07 | 4.62E-07 | 5.49E-07 | 7.55E-07 | 1.11E-06 | 1.11E-06 | 0.00E+00 | 5.49E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Quinoline | 1.53E-09 | 1.53E-09 | 2.30E-09 | 3.03E-09 | 1.82E-08 | 2.62E-08 | 7.32E-08 | 7.32E-08 | 0.00E+00 | 1.82E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | 1,1,2,2-Tetrachloroethane | 3.87E-06 | 3.87E-06 | 4.05E-06 | 5.55E-06 | 5.72E-06 | 7.31E-06 | 7.98E-06 | 7.98E-06 | 0.00E+00 | 5.72E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Benton County | 27009 | U | Trichloroethylene | 8.22E-02 | 8.22E-02 | 8.25E-02 | 8.48E-02 | 9.43E-02 | 1.12E-01 | 1.20E-01 | 1.20E-01 | 1.04E-07 | 1.33E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Benton County | 27009 | U | Vinyl Chloride | 5.74E-05 | 5.74E-05 | 9.61E-05 | 1.35E-04 | 1.78E-04 | 2.85E-04 | 3.60E-04 | 3.60E-04 | 3.58E-07 | 1.78E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Acetaldehyde | 4.67E-02 | 4.67E-02 | 4.67E-02 | 5.65E-02 | 6.71E-02 | 9.80E-02 | 9.80E-02 | 9.80E-02 | 3.03E-05 | 6.72E-03 | 2.79E-02 | 3.25E-02 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Acrolein | 3.66E-03 | 3.66E-03 | 3.66E-03 | 4.17E-03 | 5.05E-03 | 7.34E-03 | 7.34E-03 | 7.34E-03 | 1.76E-06 | 1.10E-03 | 1.55E-03 | 2.40E-03 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Acrylonitrile | 4.69E-06 | 4.69E-06 | 4.69E-06 | 1.93E-05 | 1.84E-05 | 3.12E-05 | 3.12E-05 | 3.12E-05 | 0.00E+00 | 1.84E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Arsenic Compounds | 6.90E-06 | 6.90E-06 | 6.90E-06 | 9.22E-06 | 1.19E-05 | 1.94E-05 | 1.94E-05 | 1.94E-05 | 2.90E-06 | 3.83E-07 | 3.68E-06 | 4.89E-06 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Benzene | 5.19E-01 | 5.19E-01 | 5.19E-01 | 5.22E-01 | 5.57E-01 | 6.30E-01 | 6.30E-01 | 6.30E-01 | 1.02E-05 | 2.20E-02 | 2.61E-02 | 2.89E-02 | 4.80E-01 |
| Minnesota | Big Stone County | 27011 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Beryllium Compounds | 2.61E-07 | 2.61E-07 | 2.61E-07 | 3.59E-07 | 5.13E-07 | 9.19E-07 | 9.19E-07 | 9.19E-07 | 1.50E-07 | 2.21E-07 | 0.00E+00 | 1.42E-07 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | 1,3-Butadiene | 2.30E-03 | 2.30E-03 | 2.30E-03 | 2.72E-03 | 5.21E-03 | 1.06E-02 | 1.06E-02 | 1.06E-02 | 0.00E+00 | 1.10E-04 | 2.54E-03 | 2.56E-03 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Cadmium Compounds | 4.69E-07 | 4.69E-07 | 4.69E-07 | 7.07E-07 | 8.31E-07 | 1.32E-06 | 1.32E-06 | 1.32E-06 | 3.66E-07 | 3.24E-07 | 0.00E+00 | 1.41E-07 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.73E-02 | 4.73E-02 | 4.73E-02 | 1.02E-06 | 1.35E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Big Stone County | 27011 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.58E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Big Stone County | 27011 | R | Chloroform | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.33E-02 | 8.33E-02 | 8.35E-02 | 8.35E-02 | 8.35E-02 | 0.00E+00 | 3.04E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Big Stone County | 27011 | R | Chromium Compounds (includes Hexavalent) | 2.26E-06 | 2.26E-06 | 2.26E-06 | 3.66E-06 | 4.49E-06 | 7.57E-06 | 7.57E-06 | 7.57E-06 | 1.86E-06 | 3.07E-07 | 2.01E-06 | 3.20E-07 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Chromium VI | 5.12E-07 | 5.12E-07 | 5.12E-07 | 7.04E-07 | 1.25E-06 | 2.53E-06 | 2.53E-06 | 2.53E-06 | 2.00E+00 | 1.40E-07 | 1.34E-07 | 8.03E-07 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | 1,4-Dichlorobenzene | 4.18E-04 | 4.18E-04 | 4.18E-04 | 4.43E-04 | 1.40E-03 | 3.35E-03 | 3.35E-03 | 3.35E-03 | 0.00E+00 | 1.40E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | 1,3-Dichloropropene | 1.49E-03 | 1.49E-03 | 1.49E-03 | 1.55E-03 | 5.47E-03 | 1.34E-02 | 1.34E-02 | 1.34E-02 | 0.00E+00 | 5.47E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 2.67E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Big Stone County | 27011 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 3.13E-07 | 2.10E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Big Stone County | 27011 | R | Ethylene Oxide | 8.54E-05 | 8.54E-05 | 8.54E-05 | 9.79E-05 | 4.17E-04 | 1.07E-03 | 1.07E-03 | 1.07E-03 | 0.00E+00 | 4.17E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Formaldehyde | 3.16E-01 | 3.16E-01 | 3.16E-01 | 3.19E-01 | 3.31E-01 | 3.59E-01 | 3.59E-01 | 3.59E-01 | 3.28E-06 | 6.88E-03 | 1.67E-02 | 5.78E-02 | 2.50E-01 |
| Minnesota | Big Stone County | 27011 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.36E-05 | 9.36E-05 | 9.36E-05 | 0.00E+00 | 2.57E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Big Stone County | 27011 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 8.90E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Big Stone County | 27011 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Hydrazine | 2.19E-10 | 2.19E-10 | 2.19E-10 | 3.35E-10 | 7.46E-09 | 2.18E-08 | 2.18E-08 | 2.18E-08 | 0.00E+00 | 7.46E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Lead Compounds | 1.47E-05 | 1.47E-05 | 1.47E-05 | 6.72E-05 | 1.19E-04 | 2.76E-04 | 2.76E-04 | 2.76E-04 | 3.01E-06 | 4.00E-05 | 0.00E+00 | 7.64E-05 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Manganese Compounds | 1.37E-05 | 1.37E-05 | 1.37E-05 | 2.17E-05 | 2.67E-05 | 4.48E-05 | 4.48E-05 | 4.48E-05 | 2.44E-05 | 1.27E-06 | 6.45E-07 | 4.33E-07 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 6.84E-10 | 1.76E-06 | 4.36E-06 | 4.21E-06 | 1.50E-03 |
| Minnesota | Big Stone County | 27011 | R | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.57E-01 | 1.67E-01 | 1.67E-01 | 1.67E-01 | 2.14E-06 | 7.12E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Big Stone County | 27011 | R | Nickel Compounds | 3.26E-06 | 3.26E-06 | 3.26E-06 | 4.77E-06 | 7.31E-06 | 1.39E-05 | 1.39E-05 | 1.39E-05 | 1.98E-06 | 3.09E-06 | 1.55E-06 | 6.82E-07 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.43E-01 | 1.43E-01 | 3.18E-07 | 1.35E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Big Stone County | 27011 | R | Polychlorinated Biphenyls | 3.83E-04 | 3.83E-04 | 3.83E-04 | 3.84E-04 | 4.01E-04 | 4.37E-04 | 4.37E-04 | 4.37E-04 | 0.00E+00 | 2.13E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Big Stone County | 27011 | R | Polycyclic Organic Matter | 1.89E-03 | 1.89E-03 | 1.89E-03 | 1.96E-03 | 4.79E-03 | 1.05E-02 | 1.05E-02 | 1.05E-02 | 1.40E-07 | 3.78E-03 | 6.10E-04 | 4.00E-04 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | 7-PAH | 1.04E-04 | 1.04E-04 | 1.04E-04 | 1.08E-04 | 2.32E-04 | 4.85E-04 | 4.85E-04 | 4.85E-04 | 2.85E-09 | 2.18E-04 | 4.72E-06 | 1.00E-05 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Propylene Dichloride | 7.28E-08 | 7.28E-08 | 7.28E-08 | 8.22E-08 | 3.58E-07 | 9.19E-07 | 9.19E-07 | 9.19E-07 | 0.00E+00 | 3.58E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Quinoline | 2.52E-09 | 2.52E-09 | 2.52E-09 | 4.66E-09 | 2.36E-08 | 6.37E-08 | 6.37E-08 | 6.37E-08 | 0.00E+00 | 2.36E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | 1,1,2,2-Tetrachloroethane | 9.49E-07 | 9.49E-07 | 9.49E-07 | 5.43E-06 | 4.03E-06 | 5.71E-06 | 5.71E-06 | 5.71E-06 | 0.00E+00 | 4.03E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Big Stone County | 27011 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.16E-02 | 8.24E-02 | 8.24E-02 | 8.24E-02 | 0.00E+00 | 5.77E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Big Stone County | 27011 | R | Vinyl Chloride | 1.99E-06 | 1.99E-06 | 1.99E-06 | 1.65E-05 | 1.18E-05 | 1.70E-05 | 1.70E-05 | 1.70E-05 | 0.00E+00 | 1.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Acetaldehyde | 6.09E-02 | 7.79E-02 | 1.58E-01 | 5.65E-01 | 1.43E+00 | 1.72E+00 | 4.99E+00 | 6.81E+00 | 4.72E-03 | 1.08E+00 | 2.94E-01 | 5.41E-02 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Acrolein | 3.76E-03 | 3.95E-03 | 6.90E-03 | 2.05E-02 | 2.69E-02 | 3.19E-02 | 6.95E-02 | 9.67E-02 | 3.02E-04 | 4.52E-03 | 1.80E-02 | 4.09E-03 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Acrylonitrile | 2.77E-05 | 3.74E-05 | 1.21E-04 | 2.87E-04 | 3.05E-04 | 4.02E-04 | 6.13E-04 | 8.64E-04 | 0.00E+00 | 3.05E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Arsenic Compounds | 6.78E-06 | 7.54E-06 | 1.43E-05 | 4.32E-05 | 6.66E-05 | 6.25E-05 | 2.23E-04 | 3.01E-04 | 7.16E-06 | 6.53E-06 | 3.74E-05 | 1.55E-05 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Benzene | 5.22E-01 | 5.24E-01 | 5.73E-01 | 7.77E-01 | 1.02E+00 | 1.06E+00 | 2.13E+00 | 3.09E+00 | 1.49E-04 | 1.29E-01 | 3.36E-01 | 7.87E-02 | 4.80E-01 |
| Minnesota | Blue Earth County | 27013 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Beryllium Compounds | 2.60E-07 | 3.91E-07 | 6.46E-07 | 2.17E-06 | 3.48E-06 | 5.02E-06 | 8.24E-06 | 1.42E-05 | 1.43E-07 | 3.15E-06 | 0.00E+00 | 1.87E-07 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | 1,3-Butadiene | 1.37E-03 | 1.49E-03 | 4.29E-03 | 1.65E-02 | 4.24E-02 | 3.22E-02 | 1.62E-01 | 2.43E-01 | 3.76E-10 | 3.56E-04 | 3.36E-02 | 8.50E-03 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Cadmium Compounds | 1.27E-06 | 2.18E-06 | 3.89E-06 | 1.02E-05 | 1.12E-05 | 1.56E-05 | 2.68E-0 | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Blue Earth County | 27013 | U | 1,3-Dichloropropene | 4.09E-03 | 4.30E-03 | 1.11E-02 | 6.67E-02 | 7.88E-02 | 1.09E-01 | 2.05E-01 | 2.93E-01 | 0.00E+00 | 7.88E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Blue Earth County | 27013 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 8.86E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | | |
| Minnesota | Blue Earth County | 27013 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.13E-02 | 6.13E-02 | 6.13E-02 | 6.18E-02 | 6.24E-02 | 2.81E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 | | |
| Minnesota | Blue Earth County | 27013 | U | Ethylene Oxide | 2.45E-04 | 2.47E-04 | 6.04E-04 | 3.62E-03 | 5.78E-03 | 8.33E-03 | 1.62E-02 | 2.54E-02 | 0.00E+00 | 5.78E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Blue Earth County | 27013 | U | Formaldehyde | 2.87E-01 | 2.91E-01 | 3.31E-01 | 4.63E-01 | 5.60E-01 | 5.29E-01 | 1.20E+00 | 1.60E+00 | 1.46E-02 | 1.11E-02 | 1.91E-01 | 9.33E-02 | 2.50E-01 | | |
| Minnesota | Blue Earth County | 27013 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.38E-05 | 9.38E-05 | 9.42E-05 | 9.47E-05 | 9.55E-05 | 0.00E+00 | 8.22E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | | |
| Minnesota | Blue Earth County | 27013 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.76E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Blue Earth County | 27013 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 3.07E-08 | 3.25E-08 | 5.24E-08 | 3.84E-08 | 1.52E-07 | 2.80E-07 | 1.56E-08 | 3.68E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Hydrazine | 3.92E-10 | 4.59E-10 | 1.43E-09 | 1.24E-08 | 2.44E-08 | 3.58E-08 | 4.95E-08 | 1.38E-07 | 0.00E+00 | 2.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Lead Compounds | 8.98E-04 | 1.43E-03 | 3.07E-03 | 1.05E-02 | 1.21E-02 | 1.66E-02 | 2.39E-02 | 4.67E-02 | 1.02E-02 | 1.65E-03 | 0.00E+00 | 1.92E-04 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Manganese Compounds | 9.35E-06 | 1.37E-05 | 2.83E-05 | 1.84E-04 | 4.70E-04 | 3.85E-04 | 2.25E-03 | 2.47E-03 | 9.63E-06 | 4.51E-04 | 8.18E-06 | 1.39E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.56E-03 | 1.60E-03 | 1.58E-03 | 1.77E-03 | 1.96E-03 | 1.13E-05 | 3.10E-05 | 4.16E-05 | 1.28E-05 | 1.50E-03 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Methylene Chloride | 1.56E-01 | 1.57E-01 | 1.67E-01 | 2.52E-01 | 3.09E-01 | 3.89E-01 | 5.13E-01 | 8.08E-01 | 2.23E-05 | 1.59E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Nickel Compounds | 1.60E-05 | 1.94E-05 | 5.40E-05 | 3.66E-04 | 4.96E-04 | 5.89E-04 | 1.80E-03 | 1.99E-03 | 9.09E-06 | 4.66E-04 | 1.89E-05 | 2.23E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.44E-01 | 1.57E-01 | 1.65E-01 | 1.78E-01 | 1.92E-01 | 2.39E-01 | 2.82E-08 | 2.45E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.96E-04 | 4.69E-04 | 4.70E-04 | 5.14E-04 | 5.75E-04 | 6.80E-04 | 0.00E+00 | 9.04E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Polycyclic Organic Matter | 3.69E-03 | 4.04E-03 | 8.63E-03 | 3.03E-02 | 4.13E-02 | 6.80E-02 | 8.09E-02 | 1.55E-01 | 1.09E-05 | 3.25E-02 | 7.38E-03 | 1.34E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | 7-PAH | 1.42E-04 | 1.58E-04 | 3.31E-04 | 7.34E-04 | 8.38E-04 | 1.15E-03 | 1.70E-03 | 2.31E-03 | 1.31E-08 | 7.69E-04 | 5.54E-05 | 1.35E-05 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Propylene Dichloride | 1.38E-07 | 1.78E-07 | 2.81E-07 | 2.02E-06 | 3.62E-06 | 4.56E-06 | 9.44E-06 | 1.80E-05 | 0.00E+00 | 3.62E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Quinoline | 4.58E-09 | 5.96E-09 | 8.86E-09 | 5.45E-08 | 7.79E-08 | 1.14E-07 | 1.46E-07 | 3.69E-07 | 0.00E+00 | 7.79E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | 1,1,2,2-Tetrachloroethane | 7.81E-06 | 1.08E-05 | 3.20E-05 | 5.25E-05 | 6.58E-05 | 1.05E-04 | 1.12E-04 | 1.16E-04 | 0.00E+00 | 6.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Blue Earth County | 27013 | U | Trichloroethylene | 8.16E-02 | 8.17E-02 | 8.25E-02 | 8.98E-02 | 1.03E-01 | 1.07E-01 | 1.47E-01 | 1.94E-01 | 6.13E-05 | 2.16E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Blue Earth County | 27013 | U | Vinyl Chloride | 1.06E-04 | 1.23E-04 | 2.57E-04 | 1.53E-03 | 3.50E-03 | 4.30E-03 | 1.04E-02 | 1.78E-02 | 0.00E+00 | 3.50E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Brown County | 27015 | U | Acetaldehyde | 7.82E-02 | 7.82E-02 | 9.64E-02 | 1.59E-01 | 2.16E-01 | 3.35E-01 | 4.55E-01 | 4.55E-01 | 6.75E-05 | 1.07E-01 | 8.27E-02 | 2.60E-02 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Acrolein | 2.31E-03 | 2.31E-03 | 3.52E-03 | 4.52E-03 | 7.83E-03 | 1.39E-02 | 1.41E-02 | 1.41E-02 | 6.46E-06 | 1.51E-03 | 4.41E-03 | 1.91E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Acrylonitrile | 1.15E-05 | 1.15E-05 | 4.40E-05 | 7.58E-05 | 7.11E-05 | 1.06E-04 | 1.08E-04 | 1.08E-04 | 0.00E+00 | 7.11E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Arsenic Compounds | 5.68E-06 | 5.68E-06 | 6.82E-06 | 1.18E-05 | 1.98E-05 | 3.53E-05 | 3.95E-05 | 3.95E-05 | 2.12E-07 | 2.48E-06 | 9.78E-06 | 7.36E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Benzene | 5.12E-01 | 5.12E-01 | 5.21E-01 | 5.62E-01 | 6.55E-01 | 8.43E-01 | 8.61E-01 | 8.61E-01 | 6.83E-06 | 6.02E-02 | 9.08E-02 | 2.38E-02 | 4.80E-01 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Beryllium Compounds | 1.83E-07 | 1.83E-07 | 2.39E-07 | 4.68E-07 | 6.40E-07 | 9.93E-07 | 1.50E-06 | 1.50E-06 | 3.17E-09 | 6.27E-07 | 0.00E+00 | 1.00E-08 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | 1,3-Butadiene | 1.54E-03 | 1.54E-03 | 1.71E-03 | 5.34E-03 | 1.19E-02 | 2.39E-02 | 2.70E-02 | 2.70E-02 | 2.70E-11 | 1.35E-04 | 9.55E-03 | 2.16E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Cadmium Compounds | 4.10E-07 | 4.10E-07 | 5.09E-07 | 1.00E-06 | 1.70E-06 | 2.65E-06 | 4.22E-06 | 4.22E-06 | 1.75E-07 | 1.52E-06 | 0.00E+00 | 9.95E-09 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 4.78E-02 | 4.78E-02 | 5.84E-08 | 2.75E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.21E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Chloroform | 8.44E-02 | 8.44E-02 | 8.45E-02 | 8.78E-02 | 9.61E-02 | 1.11E-01 | 1.14E-01 | 1.14E-01 | 0.00E+00 | 1.31E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Chromium Compounds (includes Hexavalent) | 2.23E-06 | 2.23E-06 | 6.12E-06 | 6.85E-06 | 2.64E-05 | 4.51E-05 | 7.31E-05 | 7.31E-05 | 5.44E-07 | 1.92E-05 | 6.39E-06 | 2.50E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Chromium VI | 9.07E-07 | 9.07E-07 | 2.27E-06 | 2.65E-06 | 9.70E-06 | 1.69E-05 | 2.61E-05 | 2.61E-05 | 1.32E-07 | 6.93E-06 | 2.55E-06 | 8.50E-08 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | 1,4-Dichlorobenzene | 9.77E-04 | 9.77E-04 | 1.05E-03 | 2.94E-03 | 8.19E-03 | 1.65E-02 | 1.93E-02 | 1.93E-02 | 0.00E+00 | 8.19E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | 1,3-Dichloropropene | 3.88E-03 | 3.88E-03 | 4.08E-03 | 1.19E-02 | 3.33E-02 | 6.71E-02 | 7.89E-02 | 7.89E-02 | 0.00E+00 | 3.33E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.16E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 6.12E-02 | 2.61E-09 | 6.61E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Ethylene Oxide | 2.17E-04 | 2.17E-04 | 2.57E-04 | 6.79E-04 | 1.97E-03 | 4.05E-03 | 4.76E-03 | 4.76E-03 | 0.00E+00 | 1.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Formaldehyde | 2.86E-01 | 2.86E-01 | 2.94E-01 | 3.17E-01 | 3.54E-01 | 4.35E-01 | 4.40E-01 | 4.40E-01 | 2.37E-04 | 3.36E-03 | 5.45E-02 | 4.59E-02 | 2.50E-01 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.34E-05 | 9.38E-05 | 9.38E-05 | 9.38E-05 | 0.00E+00 | 4.14E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.26E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Hexamethylene Diisocyanate | 1.52E-08 | 1.52E-08 | 4.64E-08 | 1.14E-07 | 3.72E-07 | 6.32E-07 | 1.15E-06 | 1.15E-06 | 0.00E+00 | 3.72E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Hydrazine | 9.26E-12 | 9.26E-12 | 1.48E-11 | 3.42E-11 | 2.62E-11 | 3.52E-11 | 3.78E-11 | 3.78E-11 | 0.00E+00 | 2.62E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Lead Compounds | 3.80E-05 | 3.80E-05 | 4.64E-05 | 5.76E-04 | 6.04E-04 | 9.47E-04 | 1.65E-03 | 2.99E-04 | 4.32E-05 | 0.00E+00 | 2.62E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Manganese Compounds | 2.50E-06 | 2.50E-06 | 2.83E-06 | 6.26E-06 | 1.13E-05 | 1.75E-05 | 2.74E-05 | 4.55E-07 | 8.22E-06 | 2.06E-06 | 5.89E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.54E-03 | 1.54E-03 | 1.54E-03 | 3.09E-07 | 1.72E-06 | 1.09E-05 | 6.20E-06 | 1.50E-03 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Methylene Chloride | 1.55E-01 | 1.55E-01 | 1.56E-01 | 1.69E-01 | 1.92E-01 | 2.27E-01 | 2.51E-01 | 2.51E-01 | 5.57E-07 | 4.16E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Nickel Compounds | 7.03E-06 | 7.03E-06 | 1.09E-05 | 4.44E-05 | 5.86E-05 | 8.42E-05 | 1.79E-04 | 2.85E-07 | 5.27E-05 | 4.73E-06 | 8.79E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Brown County | 27015 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.48E-01 | 1.56E-01 | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Minnesota | Carlton County | 27017 | R | Acrylonitrile | 4.43E-06 | 4.43E-06 | 6.05E-06 | 6.15E-05 | 5.96E-05 | 8.31E-05 | 1.28E-04 | 1.28E-04 | 0.00E+00 | 5.96E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Carlton County | 27017 | R | Arsenic Compounds | 1.00E-05 | 1.00E-05 | 1.72E-05 | 9.45E-05 | 2.11E-04 | 5.01E-04 | 6.24E-04 | 6.24E-04 | 1.95E-04 | 5.62E-06 | 7.70E-06 | 2.60E-06 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Carlton County | 27017 | R | Benzene | 5.24E-01 | 5.24E-01 | 5.55E-01 | 5.80E-01 | 6.41E-01 | 7.69E-01 | 7.76E-01 | 7.76E-01 | 2.94E-03 | 7.82E-02 | 6.50E-02 | 1.47E-02 | 4.80E-01 | 0.00E+00 | | |
| Minnesota | Carlton County | 27017 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Beryllium Compounds | 2.12E-07 | 2.12E-07 | 2.82E-07 | 1.34E-06 | 2.15E-06 | 4.42E-06 | 5.01E-06 | 5.01E-06 | 6.98E-07 | 6.96E-07 | 0.00E+00 | 7.54E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | 1,3-Butadiene | 2.39E-03 | 2.39E-03 | 3.48E-03 | 7.33E-03 | 7.74E-03 | 1.17E-02 | 1.39E-02 | 1.39E-02 | 1.39E-05 | 1.59E-03 | 5.00E-03 | 1.13E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Cadmium Compounds | 7.02E-07 | 7.02E-07 | 8.98E-07 | 6.33E-06 | 1.09E-05 | 2.39E-05 | 2.47E-05 | 2.47E-05 | 6.37E-06 | 3.64E-06 | 0.00E+00 | 8.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.73E-02 | 4.73E-02 | 1.04E-05 | 9.85E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 3.82E-04 | 2.37E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Chloroform | 8.39E-02 | 8.39E-02 | 8.46E-02 | 8.65E-02 | 9.05E-02 | 9.93E-02 | 1.03E-01 | 1.03E-01 | 1.52E-03 | 5.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Carlton County | 27017 | R | Chromium Compounds (includes Hexavalent) | 6.74E-06 | 6.74E-06 | 1.22E-05 | 5.68E-05 | 9.00E-05 | 1.77E-04 | 2.44E-04 | 2.44E-04 | 7.08E-05 | 1.34E-05 | 5.02E-06 | 7.91E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Chromium VI | 3.25E-06 | 3.25E-06 | 5.48E-06 | 2.71E-05 | 4.35E-05 | 8.73E-05 | 1.20E-04 | 1.20E-04 | 3.47E-05 | 6.60E-06 | 2.10E-06 | 2.69E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | 1,4-Dichlorobenzene | 5.44E-04 | 5.44E-04 | 1.13E-03 | 1.98E-03 | 4.49E-03 | 9.63E-03 | 1.16E-02 | 1.16E-02 | 0.00E+00 | 4.49E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | 1,3-Dichloropropene | 2.11E-03 | 2.11E-03 | 4.52E-03 | 7.79E-03 | 1.80E-02 | 3.90E-02 | 4.70E-02 | 4.70E-02 | 0.00E+00 | 1.80E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.19E-09 | 5.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 4.07E-08 | 6.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Ethylene Oxide | 1.18E-04 | 1.18E-04 | 2.75E-04 | 4.32E-04 | 1.05E-03 | 2.51E-03 | 2.59E-03 | 2.59E-03 | 0.00E+00 | 1.05E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Formaldehyde | 2.89E-01 | 2.89E-01 | 3.13E-01 | 3.25E-01 | 3.48E-01 | 3.97E-01 | 4.02E-01 | 4.02E-01 | 2.09E-03 | 3.21E-02 | 4.02E-02 | 2.40E-02 | 2.50E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Carlton County | 27017 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.36E-05 | 9.42E-05 | 9.42E-05 | 0.00E+00 | 3.24E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.20E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Hydrazine | 3.81E-12 | 3.81E-12 | 1.10E-11 | 1.90E-10 | 3.69E-10 | 5.67E-10 | 1.20E-09 | 1.20E-09 | 0.00E+00 | 3.69E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Lead Compounds | 8.48E-05 | 8.48E-05 | 8.75E-05 | 1.03E-03 | 2.09E-03 | 4.86E-03 | 6.33E-03 | 6.33E-03 | 5.99E-05 | 1.97E-03 | 0.00E+00 | 5.10E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Manganese Compounds | 8.28E-05 | 8.28E-05 | 2.13E-04 | 5.50E-04 | 9.92E-04 | 2.37E-03 | 2.50E-03 | 2.50E-03 | 3.87E-04 | 6.02E-04 | 1.54E-06 | 1.33E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.52E-03 | 1.53E-03 | 1.56E-03 | 1.57E-03 | 1.57E-03 | 1.64E-05 | 1.84E-06 | 7.82E-06 | 3.47E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.56E-01 | 1.60E-01 | 1.74E-01 | 2.09E-01 | 2.10E-01 | 2.10E-01 | 3.09E-04 | 2.32E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Nickel Compounds | 3.67E-05 | 3.67E-05 | 4.29E-05 | 4.98E-04 | 8.97E-04 | 1.90E-03 | 2.60E-03 | 2.60E-03 | 8.53E-04 | 1.18E-05 | 3.78E-06 | 2.85E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.43E-01 | 1.45E-01 | 1.51E-01 | 1.52E-01 | 1.52E-01 | 1.70E-04 | 4.83E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Polychlorinated Biphenyls | 3.83E-04 | 3.83E-04 | 3.87E-04 | 3.94E-04 | 4.22E-04 | 4.57E-04 | 5.33E-04 | 5.33E-04 | 6.67E-10 | 4.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Polycyclic Organic Matter | 3.42E-03 | 3.42E-03 | 6.23E-03 | 9.94E-03 | 1.74E-02 | 3.61E-02 | 3.71E-02 | 3.71E-02 | 2.71E-03 | 1.28E-02 | 1.52E-03 | 4.13E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | 7-PAH | 3.10E-04 | 3.10E-04 | 3.46E-04 | 4.27E-04 | 6.33E-04 | 1.22E-03 | 1.22E-03 | 1.22E-03 | 7.94E-07 | 6.13E-04 | 1.13E-05 | 8.15E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Propylene Dichloride | 2.36E-08 | 2.36E-08 | 4.56E-08 | 7.82E-07 | 7.28E-07 | 1.31E-06 | 1.58E-06 | 1.58E-06 | 0.00E+00 | 7.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Quinoline | 1.35E-10 | 1.35E-10 | 4.11E-10 | 3.63E-09 | 4.82E-09 | 7.61E-09 | 1.21E-08 | 1.21E-08 | 0.00E+00 | 4.82E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | 1,1,2,2-Tetrachloroethane | 1.18E-06 | 1.18E-06 | 1.70E-06 | 2.06E-05 | 1.94E-05 | 2.97E-05 | 4.57E-05 | 4.57E-05 | 0.00E+00 | 1.94E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.14E-02 | 8.20E-02 | 8.34E-02 | 8.70E-02 | 8.80E-02 | 8.80E-02 | 1.27E-04 | 2.31E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 | |
| Minnesota | Carlton County | 27017 | R | Vinyl Chloride | 3.31E-06 | 3.31E-06 | 4.21E-06 | 5.26E-05 | 5.19E-05 | 7.97E-05 | 1.20E-04 | 1.20E-04 | 0.00E+00 | 5.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Acetaldehyde | 2.03E-01 | 2.12E-01 | 3.21E-01 | 6.45E-01 | 7.44E-01 | 9.93E-01 | 1.36E+00 | 2.87E+00 | 2.25E-03 | 4.14E-01 | 2.86E-01 | 4.15E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Acrolein | 1.10E-02 | 1.25E-02 | 2.03E-02 | 3.84E-02 | 3.44E-02 | 4.88E-02 | 5.35E-02 | 5.81E-02 | 5.43E-04 | 3.43E-03 | 2.39E-02 | 6.59E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Acrylonitrile | 3.69E-05 | 4.21E-05 | 5.38E-05 | 1.26E-04 | 1.27E-04 | 1.54E-04 | 2.53E-04 | 4.12E-04 | 7.55E-07 | 1.26E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Arsenic Compounds | 1.62E-05 | 1.62E-05 | 2.41E-05 | 5.23E-05 | 4.66E-05 | 7.16E-05 | 7.47E-05 | 7.64E-05 | 6.97E-06 | 6.38E-06 | 2.43E-05 | 8.93E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Benzene | 6.32E-01 | 6.40E-01 | 7.37E-01 | 9.75E-01 | 9.15E-01 | 1.11E+00 | 1.15E+00 | 1.20E+00 | 2.76E-03 | 1.08E-01 | 2.69E-01 | 5.58E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Beryllium Compounds | 9.29E-07 | 1.14E-06 | 1.67E-06 | 2.75E-06 | 2.71E-06 | 3.86E-06 | 4.32E-06 | 4.60E-06 | 1.89E-07 | 2.32E-06 | 0.00E+00 | 2.09E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | 1,3-Butadiene | 4.26E-03 | 5.30E-03 | 8.03E-03 | 1.64E-02 | 1.63E-02 | 2.43E-02 | 2.67E-02 | 3.33E-02 | 8.53E-05 | 2.47E-04 | 1.18E-02 | 4.11E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Cadmium Compounds | 2.93E-06 | 3.18E-06 | 7.22E-06 | 1.16E-05 | 1.14E-05 | 1.56E-05 | 1.79E-05 | 1.90E-05 | 5.45E-06 | 5.69E-06 | 0.00E+00 | 2.34E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Carbon Disulfide | 4.73E-02 | 4.74E-02 | 4.76E-02 | 4.88E-02 | 4.92E-02 | 4.98E-02 | 5.26E-02 | 5.54E-02 | 2.75E-04 | 1.93E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 2.75E-09 | 2.18E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Chloroform | 8.68E-02 | 8.73E-02 | 9.15E-02 | 1.03E-01 | 1.01E-01 | 1.10E-01 | 1.14E-01 | 1.19E-01 | 5.37E-05 | 1.83E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Chromium Compounds (includes Hexavalent) | 1.33E-05 | 1.92E-05 | 1.07E-04 | 2.48E-04 | 2.10E-04 | 3.27E-04 | 3.51E-04 | 3.69E-04 | 1.73E-05 | 1.73E-04 | 1.84E-05 | 1.18E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Carver County | 27019 | U | Chromium VI | 6.26E | | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| | | | | | | | | | | | | | | | | | | |
| Minnesota | Chippewa County | 27023 | R | Chromium VI | 5.03E-07 | 5.03E-07 | 1.33E-06 | 3.11E-06 | 2.63E-06 | 3.62E-06 | 4.56E-06 | 4.56E-06 | 7.37E-07 | 4.47E-07 | 1.35E-06 | 9.15E-08 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | 1,4-Dichlorobenzene | 6.82E-04 | 6.82E-04 | 9.88E-04 | 1.66E-03 | 3.64E-03 | 5.83E-03 | 9.03E-03 | 9.03E-03 | 0.00E+00 | 3.64E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | 1,3-Dichloropropene | 2.64E-03 | 2.64E-03 | 3.83E-03 | 6.60E-03 | 1.47E-02 | 2.36E-02 | 3.67E-02 | 3.67E-02 | 0.00E+00 | 1.47E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Ethylene Dichloride | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 3.54E-08 | 1.34E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Chippewa County | 27023 | R | Ethylene Dibromide | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 1.18E-06 | 4.64E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Chippewa County | 27023 | R | Ethylene Oxide | 1.48E-04 | 1.48E-04 | 2.06E-04 | 3.58E-04 | 8.38E-04 | 1.40E-03 | 2.08E-03 | 2.08E-03 | 0.00E+00 | 8.38E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Formaldehyde | 3.10E-01 | 3.10E-01 | 3.13E-01 | 3.36E-01 | 3.39E-01 | 3.47E-01 | 3.87E-01 | 3.87E-01 | 7.00E-05 | 3.08E-03 | 3.18E-02 | 5.37E-02 | 2.50E-01 | |
| Minnesota | Chippewa County | 27023 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.37E-05 | 9.37E-05 | 0.00E+00 | 3.16E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Chippewa County | 27023 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.35E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Chippewa County | 27023 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 2.22E-07 | 2.24E-07 | 2.36E-07 | 3.38E-07 | 3.93E-07 | 3.93E-07 | 0.00E+00 | 2.36E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Hydrazine | 5.01E-11 | 5.01E-11 | 6.75E-11 | 7.43E-11 | 7.10E-11 | 8.09E-11 | 8.23E-11 | 8.23E-11 | 0.00E+00 | 7.10E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Lead Compounds | 6.95E-05 | 6.95E-05 | 9.20E-05 | 1.15E-04 | 4.89E-04 | 2.62E-04 | 1.91E-03 | 1.91E-03 | 2.40E-05 | 4.93E-05 | 0.00E+00 | 4.16E-04 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Manganese Compounds | 9.22E-06 | 9.22E-06 | 1.35E-05 | 1.52E-05 | 1.45E-05 | 1.62E-05 | 1.83E-05 | 1.83E-05 | 4.58E-06 | 8.25E-06 | 1.09E-06 | 5.61E-07 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 2.02E-06 | 1.16E-06 | 6.86E-06 | 6.09E-06 | 1.50E-03 | |
| Minnesota | Chippewa County | 27023 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.56E-01 | 1.59E-01 | 1.70E-01 | 1.82E-01 | 2.03E-01 | 2.03E-01 | 8.02E-06 | 2.04E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Chippewa County | 27023 | R | Nickel Compounds | 4.92E-06 | 4.92E-06 | 2.45E-05 | 2.68E-05 | 3.72E-05 | 5.45E-05 | 7.55E-05 | 7.55E-05 | 7.79E-06 | 2.59E-05 | 2.72E-06 | 8.52E-07 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.46E-01 | 1.45E-01 | 1.49E-01 | 1.50E-01 | 1.50E-01 | 1.19E-06 | 5.46E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Chippewa County | 27023 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.86E-04 | 3.94E-04 | 4.06E-04 | 4.20E-04 | 4.45E-04 | 4.45E-04 | 0.00E+00 | 2.57E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Chippewa County | 27023 | R | Polycyclic Organic Matter | 2.69E-03 | 2.69E-03 | 3.52E-03 | 4.92E-03 | 8.89E-03 | 1.44E-02 | 1.89E-02 | 1.89E-02 | 9.65E-07 | 7.38E-03 | 1.11E-03 | 4.04E-04 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | 7-PAH | 1.06E-04 | 1.06E-04 | 1.27E-04 | 1.79E-04 | 2.74E-04 | 4.19E-04 | 5.39E-04 | 5.39E-04 | 2.75E-09 | 2.60E-04 | 7.67E-06 | 6.65E-06 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Propylene Dichloride | 7.39E-08 | 7.39E-08 | 1.38E-07 | 1.96E-07 | 4.08E-07 | 5.99E-07 | 1.04E-06 | 1.04E-06 | 0.00E+00 | 4.08E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Quinoline | 1.52E-09 | 1.52E-09 | 1.86E-09 | 1.89E-09 | 1.90E-09 | 1.96E-09 | 2.30E-09 | 2.30E-09 | 0.00E+00 | 1.90E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | 1,1,2,2-Tetrachloroethane | 8.56E-06 | 8.56E-06 | 1.17E-05 | 4.58E-05 | 3.47E-05 | 4.75E-05 | 5.98E-05 | 5.98E-05 | 0.00E+00 | 3.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chippewa County | 27023 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.16E-02 | 8.20E-02 | 8.35E-02 | 8.46E-02 | 8.76E-02 | 8.76E-02 | 0.00E+00 | 2.45E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Chippewa County | 27023 | R | Vinyl Chloride | 8.24E-05 | 8.24E-05 | 1.44E-04 | 2.00E-04 | 5.40E-04 | 8.35E-04 | 1.44E-03 | 1.44E-03 | 0.00E+00 | 5.40E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Acetaldehyde | 1.13E-01 | 1.13E-01 | 1.18E-01 | 1.76E-01 | 2.00E-01 | 2.06E-01 | 4.45E-01 | 4.45E-01 | 4.26E-05 | 3.20E-02 | 1.49E-01 | 1.84E-02 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Acrolein | 1.25E-02 | 1.25E-02 | 1.27E-02 | 1.70E-02 | 1.88E-02 | 2.16E-02 | 3.27E-02 | 3.27E-02 | 6.00E-06 | 3.00E-03 | 1.35E-02 | 2.26E-03 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Acrylonitrile | 4.25E-05 | 4.25E-05 | 4.45E-05 | 7.31E-05 | 7.18E-05 | 9.89E-05 | 1.05E-04 | 1.05E-04 | 2.98E-07 | 1.75E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Arsenic Compounds | 1.60E-05 | 1.60E-05 | 1.84E-05 | 2.51E-05 | 2.83E-05 | 3.12E-05 | 5.57E-05 | 5.57E-05 | 2.60E-06 | 2.97E-06 | 1.79E-05 | 4.83E-06 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Benzene | 6.68E-01 | 6.68E-01 | 6.82E-01 | 8.10E-01 | 8.13E-01 | 8.71E-01 | 1.08E+00 | 1.08E+00 | 2.61E-02 | 1.18E-01 | 1.61E-01 | 2.71E-02 | 4.80E-01 | |
| Minnesota | Chisago County | 27025 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Beryllium Compounds | 7.08E-07 | 7.08E-07 | 7.27E-07 | 1.11E-06 | 1.36E-06 | 2.07E-06 | 2.11E-06 | 2.11E-06 | 2.07E-08 | 1.21E-06 | 0.00E+00 | 1.33E-07 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | 1,3-Butadiene | 6.24E-03 | 6.24E-03 | 7.03E-03 | 1.02E-02 | 1.08E-02 | 1.10E-02 | 2.08E-02 | 2.08E-02 | 1.65E-09 | 4.75E-04 | 8.62E-03 | 1.75E-03 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Cadmium Compounds | 1.40E-06 | 1.40E-06 | 1.46E-06 | 2.52E-06 | 2.90E-06 | 4.00E-06 | 4.96E-06 | 4.96E-06 | 3.77E-07 | 2.38E-06 | 0.00E+00 | 1.46E-07 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.74E-02 | 4.74E-02 | 4.76E-02 | 4.77E-02 | 4.77E-02 | 3.76E-06 | 3.84E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Chisago County | 27025 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 3.88E-08 | 8.93E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Chisago County | 27025 | U | Chloroform | 8.52E-02 | 8.52E-02 | 8.52E-02 | 8.87E-02 | 8.91E-02 | 9.22E-02 | 9.56E-02 | 9.56E-02 | 1.95E-06 | 6.09E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Chisago County | 27025 | U | Chromium Compounds (includes Hexavalent) | 1.90E-05 | 1.90E-05 | 2.03E-05 | 3.22E-05 | 6.03E-05 | 6.19E-05 | 2.15E-04 | 2.15E-04 | 9.01E-06 | 3.96E-05 | 1.12E-05 | 4.96E-07 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Chromium VI | 6.38E-06 | 6.38E-06 | 7.20E-06 | 1.12E-05 | 1.67E-05 | 1.23E-05 | 6.05E-05 | 6.05E-05 | 1.21E-06 | 1.08E-05 | 4.46E-06 | 1.69E-07 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | 1,4-Dichlorobenzene | 3.30E-03 | 3.30E-03 | 3.55E-03 | 8.07E-03 | 7.65E-03 | 1.15E-02 | 1.20E-02 | 1.20E-02 | 0.00E+00 | 7.65E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | 1,3-Dichloropropene | 1.28E-02 | 1.28E-02 | 1.35E-02 | 3.17E-02 | 2.92E-02 | 4.39E-02 | 4.61E-02 | 4.61E-02 | 0.00E+00 | 2.92E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 3.47E-08 | 9.33E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Chisago County | 27025 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.16E-06 | 1.95E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Chisago County | 27025 | U | Ethylene Oxide | 7.13E-04 | 7.13E-04 | 7.59E-04 | 2.00E-03 | 2.05E-03 | 3.67E-03 | 3.82E-03 | 3.82E-03 | 0.00E+00 | 2.05E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Formaldehyde | 3.44E-01 | 3.44E-01 | 3.47E-01 | 3.96E-01 | 4.02E-01 | 4.04E-01 | 5.56E-01 | 5.56E-01 | 1.51E-04 | 1.07E-02 | 1.07E-01 | 3.44E-02 | 2.50E-01 | |
| Minnesota | Chisago County | 27025 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.35E-05 | 9.35E-05 | 9.38E-05 | 9.38E-05 | 9.38E-05 | 0.00E+00 | 5.44E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Chisago County | 27025 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.60E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Chisago County | 27025 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.24E-05 | 5.22E-05 | 9.79E-05 | 1.43E-04 | 1.43E-04 | 5.11E-05 | 1.17E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Hydrazine | 6.33E-11 | 6.33E-11 | 8.20E-11 | 6.60E-10 | 1.10E-09 | 1.51E-09 | 3.69E-09 | 3.69E-09 | 0.00E+00 | 1.10E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Lead Compounds | 5.48E-05 | 5.48E-05 | 6.33E-05 | 2.43E-04 | 2.93E-04 | 4.09E-04 | 7.31E-04 | 7.31E-04 | 1.84E-05 | 5.79E-05 | 0.00E+00 | 2.17E-04 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Manganese Compounds | 6.54E-05 | 6.54E-05 | 7.59E-05 | 1.94E-04 | 2.19E-04 | 3.11E-04 | 5.00E-04 | 5.00E-04 | 6.06E-05 | 1.53E-04 | 3.50E-06 | 6.06E-07 | 0.00E+00 | |
| Minnesota | Chisago County | 27025 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 1.55E-03 | 1.55E-03 | 1.32E-06 | 3.54E-06 | 2.08E-05 | 4.20E-06 | 1.50E-03 | |
| Minnesota | Chisago County | 27025 | U | Methylene Chloride | 1.64E-01 | 1.64E-01 | 1.64E-01 | 1.76E-01 | 1.78E-01 | 1.94E-01 | 1.94E-01 | 1.94E-01 | 1.52E-04 | 2.82E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Chisago County | 27025 | U | Nickel Compounds | 3.66E-05 | 3.66E-05 | 4.11E-05 | 2.06E-04 | 2.44E-04 | 3.81E-04 | 6.22E-04 | 6.22E-04 | 1.80E-04 | 5.98E-05 | 8.43E-06 | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Chisago County | 27025 | U | Vinyl Chloride | 8.66E-05 | 8.66E-05 | 1.03E-04 | 2.24E-04 | 2.13E-04 | 3.38E-04 | 3.53E-04 | 3.53E-04 | 1.10E-05 | 2.03E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Acetaldehyde | 6.22E-02 | 9.54E-02 | 1.47E-01 | 6.68E-01 | 7.07E-01 | 9.66E-01 | 1.75E+00 | 2.21E+00 | 3.96E-03 | 5.09E-01 | 1.55E-01 | 3.83E-02 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Acrolein | 4.83E-03 | 6.50E-03 | 8.66E-03 | 1.79E-02 | 1.74E-02 | 2.45E-02 | 2.52E-02 | 3.18E-02 | 5.29E-03 | 5.97E-03 | 8.52E-03 | 2.87E-03 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Acrylonitrile | 2.15E-05 | 3.77E-05 | 1.25E-04 | 2.39E-04 | 2.51E-04 | 3.42E-04 | 4.61E-04 | 5.31E-04 | 0.00E+00 | 2.51E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Arsenic Compounds | 1.26E-05 | 1.81E-05 | 2.44E-05 | 6.01E-05 | 5.86E-05 | 7.22E-05 | 1.04E-04 | 1.08E-04 | 2.95E-05 | 6.25E-06 | 1.39E-05 | 8.92E-06 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Benzene | 5.26E-01 | 5.29E-01 | 5.56E-01 | 6.90E-01 | 7.28E-01 | 9.15E-01 | 1.22E+00 | 7.53E-05 | 5.53E-02 | 1.60E-01 | 3.24E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Beryllium Compounds | 9.48E-07 | 1.28E-06 | 2.35E-06 | 5.76E-06 | 6.15E-06 | 7.62E-06 | 1.20E-05 | 1.36E-05 | 3.10E-06 | 2.11E-06 | 0.00E+00 | 9.41E-07 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | 1,3-Butadiene | 1.58E-03 | 1.84E-03 | 4.42E-03 | 1.56E-02 | 1.90E-02 | 2.43E-02 | 3.64E-02 | 7.54E-02 | 7.40E-10 | 4.37E-04 | 1.50E-02 | 3.59E-03 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Cadmium Compounds | 1.66E-06 | 2.41E-06 | 2.73E-06 | 7.45E-06 | 8.05E-06 | 1.22E-05 | 1.42E-05 | 1.45E-05 | 3.02E-06 | 4.08E-06 | 0.00E+00 | 9.39E-07 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Carbon Disulfide | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.75E-02 | 4.76E-02 | 4.77E-02 | 4.84E-02 | 4.88E-02 | 7.41E-06 | 5.70E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Clay County | 27027 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 0.00E+00 | 2.44E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Clay County | 27027 | U | Chloroform | 8.37E-02 | 8.39E-02 | 8.41E-02 | 9.00E-02 | 9.02E-02 | 9.36E-02 | 9.70E-02 | 9.83E-02 | 3.29E-06 | 7.24E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Clay County | 27027 | U | Chromium Compounds (includes Hexavalent) | 1.52E-05 | 1.94E-05 | 3.79E-05 | 8.86E-05 | 9.59E-05 | 1.25E-04 | 1.88E-04 | 2.33E-04 | 5.84E-05 | 2.58E-05 | 1.11E-05 | 6.39E-07 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Chromium VI | 6.33E-06 | 6.99E-06 | 1.37E-05 | 3.26E-05 | 3.51E-05 | 4.58E-05 | 6.80E-05 | 8.27E-05 | 2.09E-05 | 9.58E-06 | 4.44E-06 | 2.17E-07 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | 1,4-Dichlorobenzene | 9.72E-04 | 1.19E-03 | 1.84E-03 | 1.49E-02 | 1.36E-02 | 2.07E-02 | 2.52E-02 | 3.08E-02 | 0.00E+00 | 1.36E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | 1,3-Dichloropropene | 3.30E-03 | 3.84E-03 | 5.79E-03 | 5.58E-02 | 4.97E-02 | 7.77E-02 | 9.22E-02 | 1.17E-01 | 0.00E+00 | 4.97E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Ethylene Dibromide | 7.70E-03 | 7.71E-03 | 7.71E-03 | 7.72E-03 | 7.72E-03 | 7.72E-03 | 7.74E-03 | 7.75E-03 | 1.99E-05 | 2.34E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Clay County | 27027 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.13E-02 | 6.13E-02 | 2.28E-06 | 1.07E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Clay County | 27027 | U | Ethylene Oxide | 1.60E-04 | 1.78E-04 | 2.43E-04 | 2.57E-03 | 2.33E-03 | 3.70E-03 | 4.35E-03 | 5.51E-03 | 0.00E+00 | 2.33E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Formaldehyde | 2.98E-01 | 3.15E-01 | 3.33E-01 | 4.31E-01 | 4.25E-01 | 4.61E-01 | 5.24E-01 | 6.90E-01 | 9.41E-03 | 1.92E-02 | 8.55E-02 | 6.05E-02 | 2.50E-01 |
| Minnesota | Clay County | 27027 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.33E-05 | 9.35E-05 | 9.36E-05 | 9.37E-05 | 0.00E+00 | 3.35E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Clay County | 27027 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 8.52E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Clay County | 27027 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Hydrazine | 3.80E-11 | 3.93E-11 | 7.54E-11 | 3.83E-10 | 6.31E-10 | 9.77E-10 | 1.47E-09 | 1.96E-09 | 0.00E+00 | 6.31E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Lead Compounds | 7.39E-05 | 2.00E-04 | 2.38E-04 | 6.23E-04 | 6.74E-04 | 9.33E-04 | 9.66E-04 | 2.19E-03 | 1.62E-04 | 8.23E-05 | 0.00E+00 | 4.30E-04 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Manganese Compounds | 3.12E-05 | 5.14E-05 | 1.04E-04 | 3.75E-04 | 3.82E-04 | 4.55E-04 | 7.99E-04 | 9.96E-04 | 3.64E-04 | 1.34E-05 | 3.59E-06 | 8.16E-07 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.59E-03 | 1.58E-03 | 1.62E-03 | 1.64E-03 | 1.66E-03 | 7.10E-06 | 5.51E-05 | 1.41E-05 | 8.46E-06 | 1.50E-03 |
| Minnesota | Clay County | 27027 | U | Methylene Chloride | 1.54E-01 | 1.56E-01 | 1.58E-01 | 2.20E-01 | 2.30E-01 | 2.59E-01 | 3.50E-01 | 3.74E-01 | 1.64E-05 | 8.03E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Clay County | 27027 | U | Nickel Compounds | 1.74E-05 | 2.35E-05 | 4.26E-05 | 1.27E-04 | 1.29E-04 | 1.86E-04 | 2.45E-04 | 2.46E-04 | 6.40E-05 | 5.52E-05 | 8.31E-06 | 1.36E-06 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Perchloroethylene | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.56E-01 | 1.56E-01 | 1.63E-01 | 1.71E-01 | 1.73E-01 | 2.43E-06 | 1.60E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Clay County | 27027 | U | Polychlorinated Biphenyls | 3.82E-04 | 3.84E-04 | 3.84E-04 | 4.09E-04 | 4.14E-04 | 4.34E-04 | 4.44E-04 | 4.67E-04 | 0.00E+00 | 3.41E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Clay County | 27027 | U | Polycyclic Organic Matter | 4.00E-03 | 4.06E-03 | 5.12E-03 | 2.38E-02 | 2.40E-02 | 3.80E-02 | 4.58E-02 | 4.59E-02 | 5.47E-05 | 1.95E-02 | 3.32E-03 | 1.09E-03 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | 7-PAH | 1.69E-04 | 1.70E-04 | 2.66E-04 | 4.76E-04 | 4.80E-04 | 6.36E-04 | 7.72E-04 | 8.11E-04 | 1.61E-08 | 4.50E-04 | 2.21E-05 | 8.05E-06 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Propylene Dichloride | 6.73E-07 | 1.55E-06 | 2.50E-06 | 7.74E-06 | 8.73E-06 | 1.11E-05 | 1.77E-05 | 2.30E-05 | 0.00E+00 | 8.73E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Quinoline | 8.11E-10 | 8.11E-10 | 1.03E-09 | 3.16E-09 | 3.60E-09 | 5.31E-09 | 7.28E-09 | 8.81E-09 | 0.00E+00 | 3.60E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | 1,1,1,2,2-Tetrachloroethane | 8.47E-06 | 1.63E-05 | 4.58E-05 | 9.08E-05 | 9.36E-05 | 1.34E-04 | 1.57E-04 | 2.10E-04 | 0.00E+00 | 9.36E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clay County | 27027 | U | Trichloroethylene | 8.14E-02 | 8.17E-02 | 8.21E-02 | 8.77E-02 | 8.94E-02 | 9.14E-02 | 1.03E-01 | 1.07E-01 | 0.00E+00 | 8.39E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Clay County | 27027 | U | Vinyl Chloride | 5.50E-05 | 9.94E-05 | 1.80E-04 | 9.71E-04 | 1.31E-03 | 1.71E-03 | 3.33E-03 | 4.40E-03 | 0.00E+00 | 1.31E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Acetaldehyde | 4.59E-02 | 4.59E-02 | 4.59E-02 | 4.59E-02 | 4.59E-02 | 5.25E-02 | 6.21E-02 | 6.21E-02 | 1.46E-02 | 4.61E-03 | 2.32E-02 | 1.01E-02 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Acrylonitrile | 6.10E-06 | 6.10E-06 | 6.10E-06 | 6.47E-06 | 8.14E-06 | 1.18E-05 | 1.18E-05 | 1.18E-05 | 0.00E+00 | 8.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Arsenic Compounds | 2.62E-06 | 2.62E-06 | 2.62E-06 | 2.81E-06 | 3.94E-06 | 6.38E-06 | 6.38E-06 | 6.38E-06 | 3.30E-07 | 3.57E-07 | 1.94E-06 | 1.31E-06 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Benzene | 5.20E-01 | 5.20E-01 | 5.20E-01 | 5.21E-01 | 5.35E-01 | 5.65E-01 | 5.65E-01 | 5.65E-01 | 3.93E-04 | 2.37E-02 | 1.51E-02 | 1.60E-02 | 4.80E-01 |
| Minnesota | Clearwater County | 27029 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Beryllium Compounds | 1.24E-07 | 1.24E-07 | 1.24E-07 | 1.69E-07 | 3.30E-07 | 6.96E-07 | 6.96E-07 | 6.96E-07 | 5.20E-11 | 1.16E-07 | 0.00E+00 | 2.14E-07 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | 1,3-Butadiene | 2.05E-03 | 2.05E-03 | 2.05E-03 | 2.63E-03 | 3.48E-03 | 5.77E-03 | 5.77E-03 | 5.77E-03 | 0.00E+00 | 1.41E-03 | 1.02E-03 | 1.05E-03 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Cadmium Compounds | 1.85E-06 | 1.85E-06 | 1.85E-06 | 3.84E-06 | 4.84E-06 | 8.85E-06 | 8.85E-06 | 8.85E-06 | 4.39E-06 | 2.45E-07 | 0.00E+00 | 2.13E-07 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 0.00E+00 | 3.61E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Clearwater County | 27029 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.01E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Clearwater County | 27029 | R | Chloroform | 8.33E-02 | 8.33E-02 | 8.33E-02 | 8.33E-02 | 8.33E-02 | 8.34E-02 | 8.34E-02 | 8.34E-02 | 0.00E+00 | 3.35E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Clearwater County | 27029 | R | Chromium Compounds (includes Hexavalent) | 2.00E-06 | 2.00E-06 | 2.00E-06 | 2.36E-06 | 3.19E-06 | 5.21E-06 | 5.21E-06 | 5.21E-06 | 1.38E-06 | 4.69E-07 | 1.15E-06 | 1.95E-07 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Chromium VI | 7.25E-07 | 7.25E-07 | 7.25E-07 | 7.44E-07 | 9.80E-07 | 1.47E-06 | 1.47E-06 | 1.47E-06 | 2.11E-07 | 2.44E-07 | 4.58E-07 | 6.63E-08 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | 1,4-Dichlorobenzene | 4.54E-04 | 4.54E-04 | 4.54E-04 | 4.94E-04 | 7.36E-04 | 1.26E-03 | 1.26E-03 | 1.26E-03 | 0.00E+00 | 7.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | 1,3-Dichloropropene | 1.73E-03 | 1.73E-03 | 1.73E-03 | 1.88E-03 | 2.86E-03 | 4.99E-03 | 4.99E-03 | 4.99E-03 | 0.00E+00 | 2.86E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E- | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Clearwater County | 27029 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.31E-13 | 9.93E-13 | 9.93E-13 | 9.93E-13 | 0.00E+00 | 3.31E-13 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Lead Compounds | 1.49E-04 | 1.49E-04 | 1.49E-04 | 3.23E-04 | 4.01E-04 | 7.30E-04 | 7.30E-04 | 7.30E-04 | 3.89E-04 | 4.08E-06 | 0.00E+00 | 7.72E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Manganese Compounds | 4.47E-05 | 4.47E-05 | 4.47E-05 | 4.55E-05 | 4.66E-05 | 4.65E-05 | 4.65E-05 | 4.65E-05 | 1.99E-05 | 2.52E-05 | 3.34E-07 | 1.47E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 5.88E-06 | 2.52E-07 | 2.31E-06 | 1.31E-06 | 1.50E-03 | 1.50E-03 |
| Minnesota | Clearwater County | 27029 | R | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.53E-01 | 1.54E-01 | 1.58E-01 | 1.58E-01 | 1.58E-01 | 0.00E+00 | 4.16E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Clearwater County | 27029 | R | Nickel Compounds | 2.72E-06 | 2.72E-06 | 2.72E-06 | 3.08E-06 | 5.16E-06 | 9.69E-06 | 9.69E-06 | 9.69E-06 | 1.77E-06 | 2.29E-06 | 8.45E-07 | 2.57E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.42E-01 | 0.00E+00 | 1.40E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Clearwater County | 27029 | R | Polychlorinated Biphenyls | 3.83E-04 | 3.83E-04 | 3.83E-04 | 3.84E-04 | 3.89E-04 | 4.00E-04 | 4.00E-04 | 4.00E-04 | 0.00E+00 | 9.11E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Clearwater County | 27029 | R | Polycyclic Organic Matter | 2.73E-03 | 2.73E-03 | 2.73E-03 | 2.81E-03 | 3.89E-03 | 6.12E-03 | 6.12E-03 | 6.12E-03 | 2.78E-04 | 3.13E-03 | 3.40E-04 | 1.42E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | 7-PAH | 2.01E-04 | 2.01E-04 | 2.01E-04 | 2.54E-04 | 2.97E-04 | 4.36E-04 | 4.36E-04 | 4.36E-04 | 7.70E-08 | 2.89E-04 | 2.70E-06 | 5.36E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Propylene Dichloride | 4.09E-08 | 4.09E-08 | 4.09E-08 | 5.07E-08 | 9.41E-08 | 1.91E-07 | 1.91E-07 | 1.91E-07 | 0.00E+00 | 9.41E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.27E-11 | 3.82E-11 | 3.82E-11 | 3.82E-11 | 0.00E+00 | 1.27E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | 1,1,2,2-Tetrachloroethane | 1.52E-06 | 1.52E-06 | 1.52E-06 | 1.53E-06 | 1.61E-06 | 1.77E-06 | 1.77E-06 | 1.77E-06 | 0.00E+00 | 1.61E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Clearwater County | 27029 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.13E-02 | 8.16E-02 | 8.16E-02 | 8.16E-02 | 0.00E+00 | 3.11E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 8.10E-02 |
| Minnesota | Clearwater County | 27029 | R | Vinyl Chloride | 9.29E-06 | 9.29E-06 | 9.29E-06 | 1.16E-05 | 1.47E-05 | 2.33E-05 | 2.33E-05 | 2.33E-05 | 0.00E+00 | 1.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Acetaldehyde | 1.42E-02 | 1.42E-02 | 1.42E-02 | 2.33E-02 | 2.95E-02 | 5.09E-02 | 5.09E-02 | 5.09E-02 | 1.03E-06 | 6.44E-03 | 4.90E-03 | 1.81E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Acrolein | 7.89E-03 | 7.89E-03 | 7.89E-03 | 9.07E-03 | 1.04E-02 | 1.43E-02 | 1.43E-02 | 1.43E-02 | 4.70E-07 | 4.55E-03 | 2.53E-04 | 5.62E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Acrylonitrile | 1.40E-06 | 1.40E-06 | 1.40E-06 | 2.07E-06 | 9.29E-06 | 2.44E-05 | 2.44E-05 | 2.44E-05 | 0.00E+00 | 9.29E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Arsenic Compounds | 2.28E-06 | 2.28E-06 | 2.28E-06 | 6.50E-05 | 6.53E-05 | 1.29E-04 | 1.29E-04 | 1.29E-04 | 6.34E-05 | 1.00E-07 | 5.08E-07 | 1.28E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Benzene | 5.35E-01 | 5.35E-01 | 5.35E-01 | 6.02E-01 | 6.57E-01 | 6.55E-01 | 6.55E-01 | 6.55E-01 | 6.10E-05 | 1.48E-02 | 3.69E-03 | 9.87E-02 | 4.80E-01 | 4.80E-01 |
| Minnesota | Cook County | 27031 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Beryllium Compounds | 1.95E-07 | 1.95E-07 | 1.95E-07 | 9.36E-07 | 8.15E-07 | 1.31E-06 | 1.31E-06 | 1.31E-06 | 7.71E-07 | 4.28E-08 | 0.00E+00 | 1.28E-09 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | 1,3-Butadiene | 3.34E-03 | 3.34E-03 | 3.34E-03 | 5.11E-03 | 6.33E-03 | 1.05E-02 | 1.05E-02 | 1.05E-02 | 0.00E+00 | 1.47E-03 | 3.02E-04 | 4.53E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Cadmium Compounds | 1.52E-07 | 1.52E-07 | 1.52E-07 | 1.25E-06 | 1.11E-06 | 1.93E-06 | 1.93E-06 | 1.93E-06 | 9.98E-07 | 9.60E-08 | 0.00E+00 | 1.79E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 2.54E-07 | 1.36E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.70E-02 |
| Minnesota | Cook County | 27031 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 5.85E-06 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 8.80E-01 |
| Minnesota | Cook County | 27031 | R | Chloroform | 8.30E-02 | 8.30E-02 | 8.30E-02 | 8.30E-02 | 8.30E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 1.15E-07 | 4.56E-05 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 8.30E-02 |
| Minnesota | Cook County | 27031 | R | Chromium Compounds (includes Hexavalent) | 3.73E-06 | 3.73E-06 | 3.73E-06 | 3.09E-05 | 2.97E-05 | 5.45E-05 | 5.45E-05 | 5.45E-05 | 2.84E-05 | 8.92E-08 | 2.94E-07 | 8.75E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Chromium VI | 1.98E-06 | 1.98E-06 | 1.98E-06 | 1.13E-05 | 1.06E-05 | 1.85E-05 | 1.85E-05 | 1.85E-05 | 1.02E-05 | 4.35E-08 | 1.15E-07 | 2.97E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | 1,4-Dichlorobenzene | 5.14E-05 | 5.14E-05 | 5.14E-05 | 1.03E-04 | 2.60E-04 | 6.27E-04 | 6.27E-04 | 6.27E-04 | 0.00E+00 | 2.60E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | 1,3-Dichloropropene | 1.92E-04 | 1.92E-04 | 1.92E-04 | 4.09E-04 | 1.05E-03 | 2.54E-03 | 2.54E-03 | 2.54E-03 | 0.00E+00 | 1.05E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.35E-09 | 5.73E-09 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 7.70E-03 |
| Minnesota | Cook County | 27031 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 7.82E-08 | 3.74E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 6.10E-02 |
| Minnesota | Cook County | 27031 | R | Ethylene Oxide | 1.15E-05 | 1.15E-05 | 1.15E-05 | 2.22E-05 | 6.12E-05 | 1.50E-04 | 1.50E-04 | 1.50E-04 | 0.00E+00 | 6.12E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Formaldehyde | 2.79E-01 | 2.79E-01 | 2.79E-01 | 2.82E-01 | 2.92E-01 | 3.16E-01 | 3.16E-01 | 3.16E-01 | 5.82E-05 | 1.83E-02 | 2.25E-03 | 2.16E-02 | 2.50E-01 | 2.50E-01 |
| Minnesota | Cook County | 27031 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 4.59E-08 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 9.30E-05 |
| Minnesota | Cook County | 27031 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.00E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 1.80E-03 |
| Minnesota | Cook County | 27031 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Lead Compounds | 1.26E-05 | 1.26E-05 | 1.26E-05 | 7.83E-05 | 6.45E-05 | 1.03E-04 | 1.03E-04 | 1.03E-04 | 5.15E-05 | 1.59E-06 | 0.00E+00 | 1.14E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Manganese Compounds | 7.38E-06 | 7.38E-06 | 7.38E-06 | 4.96E-04 | 5.14E-04 | 1.04E-03 | 1.04E-03 | 1.04E-03 | 5.11E-04 | 1.96E-06 | 9.54E-08 | 4.53E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 2.19E-06 | 8.70E-08 | 6.37E-07 | 5.98E-07 | 1.50E-03 | 1.50E-03 |
| Minnesota | Cook County | 27031 | R | Methylene Chloride | 1.50E-01 | 1.50E-01 | 1.50E-01 | 1.51E-01 | 1.52E-01 | 1.54E-01 | 1.54E-01 | 1.54E-01 | 5.38E-07 | 1.52E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Cook County | 27031 | R | Nickel Compounds | 4.95E-06 | 4.95E-06 | 4.95E-06 | 2.95E-05 | 2.55E-05 | 4.21E-05 | 4.21E-05 | 4.21E-05 | 1.98E-05 | 9.13E-07 | 2.36E-07 | 4.59E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 7.98E-08 | 2.64E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Cook County | 27031 | R | Polychlorinated Biphenyls | 3.81E-04 | 3.81E-04 | 3.81E-04 | 3.81E-04 | 3.86E-04 | 3.96E-04 | 3.96E-04 | 3.96E-04 | 0.00E+00 | 5.91E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Cook County | 27031 | R | Polycyclic Organic Matter | 9.88E-04 | 9.88E-04 | 9.88E-04 | 1.32E-03 | 2.21E-03 | 4.33E-03 | 4.33E-03 | 4.33E-03 | 1.00E-07 | 1.74E-03 | 9.11E-05 | 3.81E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | 7-PAH | 1.36E-04 | 1.36E-04 | 1.36E-04 | 2.39E-04 | 2.91E-04 | 4.97E-04 | 4.97E-04 | 4.97E-04 | 1.98E-10 | 2.61E-04 | 6.84E-07 | 2.90E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Propylene Dichloride | 6.12E-09 | 6.12E-09 | 6.12E-09 | 1.02E-08 | 3.33E-08 | 8.35E-08 | 8.35E-08 | 8.35E-08 | 0.00E+00 | 3.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | 1,1,2,2-Tetrachloroethane | 3.82E-07 | 3.82E-07 | 3.82E-07 | 5.54E-07 | 2.62E-06 | 6.93E-06 | 6.93E-06 | 6.93E-06 | 0.00E+00 | 2.62E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cook County | 27031 | R | Trichloroethylene | 8.10E-02 | 8.10E-02 | 8.10E-02 | 8.11E-02 | 8.12E-02 | 8.16E-02 | 8.16E-02 | 8.16E-02 | 0.00E+00 | 2.21E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 8.10E-02 |
| Minnesota | Cook County | 27031 | R | Vinyl Chloride | 7.98E-06 | 7.98E-06 | 7.98E-06 | 1.32E-05 | 4.45E-05 | 1.12E-04 | 1.12E-0 | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Cottonwood County | 27033 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.15E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Cottonwood County | 27033 | R | Chloroform | 8.34E-02 | 8.34E-02 | 8.34E-02 | 8.35E-02 | 8.36E-02 | 8.38E-02 | 8.40E-02 | 8.40E-02 | 8.40E-02 | 0.00E+00 | 5.80E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Cottonwood County | 27033 | R | Chromium Compounds (includes Hexavalent) | 1.25E-06 | 1.25E-06 | 1.31E-06 | 1.43E-06 | 1.71E-06 | 2.10E-06 | 2.71E-06 | 2.71E-06 | 2.76E-06 | 3.60E-07 | 1.20E-06 | 1.26E-07 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Cottonwood County | 27033 | R | Chromium VI | 5.01E-07 | 5.01E-07 | 5.43E-07 | 5.95E-07 | 7.11E-07 | 8.79E-07 | 1.15E-06 | 1.15E-06 | 1.21E-06 | 1.75E-07 | 4.81E-07 | 4.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | 1,4-Dichlorobenzene | 5.21E-04 | 5.21E-04 | 5.87E-04 | 6.63E-04 | 7.78E-04 | 9.69E-04 | 1.27E-03 | 1.27E-03 | 1.27E-03 | 0.00E+00 | 7.78E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | 1,3-Dichloropropene | 2.05E-03 | 2.05E-03 | 2.31E-03 | 2.60E-03 | 3.09E-03 | 3.86E-03 | 5.09E-03 | 5.09E-03 | 0.00E+00 | 3.09E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.85E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Cottonwood County | 27033 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 6.21E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Cottonwood County | 27033 | R | Ethylene Oxide | 1.10E-04 | 1.10E-04 | 1.25E-04 | 1.42E-04 | 1.69E-04 | 2.12E-04 | 2.81E-04 | 2.81E-04 | 0.00E+00 | 1.69E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Formaldehyde | 2.97E-01 | 2.97E-01 | 2.98E-01 | 3.00E-01 | 3.03E-01 | 3.08E-01 | 3.16E-01 | 3.16E-01 | 2.80E-07 | 1.16E-03 | 1.18E-02 | 4.02E-02 | 0.00E+00 | 2.50E-01 | 2.97E-01 |
| Minnesota | Cottonwood County | 27033 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 9.31E-05 |
| Minnesota | Cottonwood County | 27033 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.64E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 1.80E-03 |
| Minnesota | Cottonwood County | 27033 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.74E-08 | 1.06E-07 | 2.11E-07 | 2.73E-07 | 2.73E-07 | 1.06E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Hydrazine | 5.19E-11 | 5.19E-11 | 3.37E-10 | 7.20E-10 | 6.30E-10 | 9.23E-10 | 1.03E-09 | 1.03E-09 | 0.00E+00 | 6.30E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Lead Compounds | 1.38E-05 | 1.38E-05 | 2.05E-05 | 2.93E-05 | 7.48E-05 | 1.29E-04 | 2.27E-04 | 2.27E-04 | 7.71E-08 | 2.86E-06 | 0.00E+00 | 7.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Manganese Compounds | 1.43E-06 | 1.43E-06 | 1.44E-06 | 1.46E-06 | 1.69E-06 | 1.94E-06 | 2.43E-06 | 2.43E-06 | 1.44E-07 | 8.56E-07 | 3.65E-07 | 3.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 5.04E-09 | 2.42E-07 | 2.45E-06 | 3.57E-06 | 1.50E-03 | 1.51E-03 |
| Minnesota | Cottonwood County | 27033 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.54E-01 | 1.55E-01 | 1.57E-01 | 1.57E-01 | 0.00E+00 | 4.05E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.53E-01 |
| Minnesota | Cottonwood County | 27033 | R | Nickel Compounds | 3.77E-06 | 3.77E-06 | 3.90E-06 | 5.17E-06 | 6.78E-06 | 9.66E-06 | 1.30E-05 | 1.30E-05 | 3.75E-08 | 5.34E-06 | 9.17E-07 | 4.80E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.63E-09 | 7.01E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Cottonwood County | 27033 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.85E-04 | 3.86E-04 | 3.87E-04 | 3.88E-04 | 3.88E-04 | 0.00E+00 | 5.28E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.84E-04 |
| Minnesota | Cottonwood County | 27033 | R | Polycyclic Organic Matter | 2.13E-03 | 2.13E-03 | 2.23E-03 | 2.47E-03 | 2.79E-03 | 3.36E-03 | 4.10E-03 | 4.10E-03 | 6.94E-08 | 2.53E-03 | 3.63E-04 | 2.00E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | 7-PAH | 7.97E-05 | 7.97E-05 | 8.77E-05 | 9.90E-05 | 1.05E-04 | 1.22E-04 | 1.41E-04 | 1.41E-04 | 1.71E-11 | 9.81E-05 | 2.86E-06 | 3.85E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Propylene Dichloride | 5.86E-08 | 5.86E-08 | 6.34E-08 | 7.65E-08 | 9.75E-08 | 1.32E-07 | 1.78E-07 | 1.78E-07 | 0.00E+00 | 9.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Quinoline | 5.12E-10 | 5.12E-10 | 1.38E-09 | 2.61E-09 | 2.30E-09 | 3.23E-09 | 3.48E-09 | 3.48E-09 | 0.00E+00 | 2.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | 1,1,2,2-Tetrachloroethane | 1.69E-06 | 1.69E-06 | 2.42E-06 | 5.00E-06 | 5.99E-06 | 9.56E-06 | 1.23E-05 | 1.23E-05 | 0.00E+00 | 5.99E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Cottonwood County | 27033 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.13E-02 | 8.13E-02 | 8.14E-02 | 8.16E-02 | 8.18E-02 | 8.18E-02 | 0.00E+00 | 4.05E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 8.12E-02 |
| Minnesota | Cottonwood County | 27033 | R | Vinyl Chloride | 3.99E-05 | 3.99E-05 | 4.25E-05 | 4.85E-05 | 6.91E-05 | 9.57E-05 | 1.40E-04 | 1.40E-04 | 0.00E+00 | 6.91E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Acetaldehyde | 3.96E-02 | 4.90E-02 | 7.17E-02 | 8.30E-02 | 1.48E-01 | 1.63E-01 | 2.77E-01 | 5.22E-01 | 2.20E-05 | 5.69E-02 | 8.43E-02 | 6.58E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Acrolein | 7.78E-03 | 8.42E-03 | 9.72E-03 | 1.10E-02 | 1.20E-02 | 1.38E-02 | 1.59E-02 | 1.94E-02 | 8.80E-07 | 5.14E-03 | 4.68E-03 | 2.20E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Acrylonitrile | 1.41E-05 | 1.51E-05 | 2.26E-05 | 6.59E-05 | 7.62E-05 | 1.01E-04 | 1.32E-04 | 2.83E-04 | 0.00E+00 | 7.62E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Arsenic Compounds | 7.29E-06 | 1.11E-05 | 1.82E-05 | 2.61E-05 | 2.76E-05 | 3.35E-05 | 4.61E-05 | 6.03E-05 | 1.60E-05 | 1.81E-06 | 7.95E-06 | 1.82E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Benzene | 5.51E-01 | 5.59E-01 | 5.72E-01 | 5.97E-01 | 6.39E-01 | 7.00E-01 | 8.09E-01 | 8.15E-01 | 7.31E-05 | 5.75E-02 | 6.38E-02 | 3.73E-02 | 4.80E-01 | 5.51E-01 | 5.51E-01 |
| Minnesota | Crow Wing County | 27035 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Beryllium Compounds | 1.63E-07 | 2.31E-07 | 4.25E-07 | 4.93E-07 | 1.07E-06 | 1.52E-06 | 2.73E-06 | 3.70E-06 | 3.08E-09 | 7.83E-07 | 0.00E+00 | 2.84E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | 1,3-Butadiene | 3.41E-03 | 3.47E-03 | 4.32E-03 | 5.95E-03 | 8.87E-03 | 1.35E-02 | 1.71E-02 | 2.21E-02 | 0.00E+00 | 1.23E-03 | 5.22E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Cadmium Compounds | 2.87E-06 | 4.15E-06 | 6.81E-06 | 9.35E-06 | 1.36E-05 | 1.03E-05 | 3.33E-05 | 5.11E-05 | 1.21E-05 | 1.28E-06 | 0.00E+00 | 2.83E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.73E-02 | 4.72E-02 | 4.76E-02 | 4.95E-02 | 4.07E-07 | 3.29E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.70E-02 |
| Minnesota | Crow Wing County | 27035 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.12E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Crow Wing County | 27035 | R | Chloroform | 8.35E-02 | 8.36E-02 | 8.39E-02 | 8.42E-02 | 8.55E-02 | 8.66E-02 | 8.89E-02 | 9.24E-02 | 0.00E+00 | 2.53E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 8.35E-02 |
| Minnesota | Crow Wing County | 27035 | R | Chromium Compounds (includes Hexavalent) | 1.79E-05 | 3.10E-05 | 4.77E-05 | 8.75E-05 | 1.06E-04 | 1.40E-04 | 1.78E-04 | 3.05E-04 | 5.09E-05 | 4.95E-05 | 4.87E-06 | 4.17E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Chromium VI | 8.60E-06 | 1.54E-05 | 2.18E-05 | 5.09E-05 | 6.97E-05 | 7.49E-05 | 1.51E-04 | 2.78E-04 | 1.88E-05 | 4.87E-05 | 1.97E-06 | 1.42E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | 1,4-Dichlorobenzene | 8.04E-04 | 1.12E-03 | 1.68E-03 | 2.45E-03 | 4.19E-03 | 7.33E-03 | 9.56E-03 | 1.12E-02 | 0.00E+00 | 4.19E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | 1,3-Dichloropropene | 3.07E-03 | 4.37E-03 | 6.58E-03 | 9.70E-03 | 1.68E-02 | 2.96E-02 | 3.83E-02 | 4.54E-02 | 0.00E+00 | 1.68E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 6.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 7.70E-03 |
| Minnesota | Crow Wing County | 27035 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.13E-02 | 1.25E-07 | 3.82E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 6.10E-02 |
| Minnesota | Crow Wing County | 27035 | R | Ethylene Oxide | 1.93E-04 | 2.78E-04 | 3.84E-04 | 5.77E-04 | 1.04E-03 | 1.68E-03 | 2.86E-03 | 2.86E-03 | 0.00E+00 | 1.04E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Formaldehyde | 2.99E-01 | 3.00E-01 | 3.02E-01 | 3.25E-01 | 3.32E-01 | 3.57E-01 | 3.67E-01 | 4.01E-01 | 6.04E-03 | 1.99E-02 | 4.21E-02 | 1.39E-02 | 2.50E-01 | 2.99E-01 | 2.99E-01 |
| Minnesota | Crow Wing County | 27035 | R | Hexachlorobenzene | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E- | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Crow Wing County | 27035 | R | Quinoline | 0.00E+00 | 0.00E+00 | 1.10E-10 | 2.92E-10 | 2.79E-10 | 4.18E-10 | 5.59E-10 | 5.61E-10 | 0.00E+00 | 2.79E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | 1,1,2,2-Tetrachloroethane | 3.92E-06 | 3.96E-06 | 6.46E-06 | 1.85E-05 | 1.53E-05 | 2.07E-05 | 2.68E-05 | 2.71E-05 | 0.00E+00 | 1.53E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Crow Wing County | 27035 | R | Trichloroethylene | 8.13E-02 | 8.15E-02 | 8.17E-02 | 8.20E-02 | 8.43E-02 | 8.46E-02 | 9.44E-02 | 9.62E-02 | 0.00E+00 | 3.32E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Crow Wing County | 27035 | R | Vinyl Chloride | 2.70E-05 | 3.89E-05 | 5.25E-05 | 1.03E-04 | 4.64E-04 | 2.96E-04 | 8.02E-04 | 3.48E-03 | 0.00E+00 | 4.64E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Acetaldehyde | 7.44E-01 | 8.12E-01 | 9.55E-01 | 1.32E+00 | 1.59E+00 | 1.67E+00 | 2.01E+00 | 2.38E+00 | 2.76E-02 | 7.91E-01 | 6.60E-01 | 1.06E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Acrolein | 3.73E-02 | 4.32E-02 | 6.03E-02 | 7.96E-02 | 8.33E-02 | 1.08E-01 | 1.27E-01 | 1.33E-01 | 3.07E-03 | 7.21E-03 | 5.13E-02 | 2.18E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Acrylonitrile | 2.10E-04 | 2.20E-04 | 2.64E-04 | 3.87E-04 | 4.45E-04 | 5.22E-04 | 6.84E-04 | 8.65E-04 | 2.80E-06 | 4.43E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Arsenic Compounds | 5.92E-05 | 6.76E-05 | 8.47E-05 | 1.13E-04 | 1.46E-04 | 2.14E-04 | 2.74E-04 | 2.90E-04 | 5.41E-05 | 1.97E-05 | 5.64E-05 | 1.62E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Benzene | 8.67E-01 | 9.66E-01 | 1.14E+00 | 1.35E+00 | 1.47E+00 | 1.79E+00 | 2.15E+00 | 2.29E+00 | 3.13E-02 | 1.79E-01 | 6.88E-01 | 9.24E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Beryllium Compounds | 4.17E-06 | 4.31E-06 | 5.03E-06 | 6.98E-06 | 7.60E-06 | 9.04E-06 | 1.22E-05 | 1.33E-05 | 1.86E-06 | 4.92E-06 | 0.00E+00 | 8.17E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | 1,3-Butadiene | 1.06E-02 | 1.58E-02 | 2.30E-02 | 3.73E-02 | 5.07E-02 | 6.90E-02 | 1.09E-01 | 1.37E-01 | 3.19E-03 | 2.60E-04 | 3.85E-02 | 8.76E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Cadmium Compounds | 2.01E-05 | 2.27E-05 | 2.89E-05 | 3.96E-05 | 4.96E-05 | 6.12E-05 | 1.06E-04 | 1.22E-04 | 3.79E-05 | 1.07E-05 | 0.00E+00 | 1.02E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Carbon Disulfide | 4.92E-02 | 4.95E-02 | 5.02E-02 | 5.16E-02 | 5.25E-02 | 5.38E-02 | 5.68E-02 | 5.80E-02 | 2.83E-03 | 2.67E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Dakota County | 27037 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 1.16E-07 | 3.63E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Chloroform | 1.07E-01 | 1.21E-01 | 1.43E-01 | 1.55E-01 | 1.52E-01 | 1.63E-01 | 1.75E-01 | 1.87E-01 | 5.24E-04 | 6.82E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Chromium Compounds (includes Hexavalent) | 2.58E-04 | 3.23E-04 | 4.14E-04 | 5.42E-04 | 6.93E-04 | 9.17E-04 | 1.39E-03 | 1.51E-03 | 1.31E-04 | 5.11E-04 | 4.89E-05 | 2.48E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Chromium VI | 9.56E-05 | 1.15E-04 | 1.41E-04 | 1.87E-04 | 2.47E-04 | 3.04E-04 | 4.98E-04 | 5.54E-04 | 5.92E-05 | 1.68E-04 | 1.95E-05 | 8.42E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | 1,4-Dichlorobenzene | 1.26E-02 | 2.12E-02 | 3.19E-02 | 3.87E-02 | 3.83E-02 | 4.47E-02 | 5.24E-02 | 6.01E-02 | 0.00E+00 | 3.83E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | 1,3-Dichloropropene | 4.64E-02 | 8.22E-02 | 1.25E-01 | 1.53E-01 | 1.51E-01 | 1.76E-01 | 2.06E-01 | 2.38E-01 | 0.00E+00 | 1.51E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.68E-07 | 6.86E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Ethylene Dichloride | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 7.32E-06 | 9.43E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Ethylene Oxide | 2.97E-03 | 4.76E-03 | 7.47E-03 | 9.32E-03 | 8.90E-03 | 1.04E-02 | 1.21E-02 | 1.38E-02 | 0.00E+00 | 8.90E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Formaldehyde | 5.34E-01 | 5.98E-01 | 7.33E-01 | 8.84E-01 | 9.88E-01 | 1.24E+00 | 1.48E+00 | 1.56E+00 | 5.35E-02 | 2.57E-02 | 4.48E-01 | 2.11E-01 | 2.50E-01 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.47E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.84E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Hexamethylene Diisocyanate | 4.29E-05 | 6.14E-05 | 7.50E-05 | 1.01E-04 | 1.07E-04 | 1.38E-04 | 1.68E-04 | 1.85E-04 | 1.68E-05 | 9.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Hydrazine | 2.54E-08 | 3.05E-08 | 3.47E-08 | 6.27E-08 | 9.34E-08 | 1.34E-07 | 1.99E-07 | 2.47E-07 | 2.59E-08 | 6.75E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Lead Compounds | 3.34E-03 | 4.06E-03 | 6.83E-03 | 1.08E-02 | 1.25E-02 | 1.39E-02 | 2.01E-02 | 2.80E-02 | 7.91E-03 | 2.82E-03 | 0.00E+00 | 1.75E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Manganese Compounds | 1.82E-04 | 2.11E-04 | 2.84E-04 | 4.39E-04 | 6.66E-04 | 1.01E-03 | 1.63E-03 | 1.69E-03 | 1.43E-04 | 5.04E-04 | 1.55E-05 | 3.48E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Mercury Compounds | 1.56E-03 | 1.56E-03 | 1.57E-03 | 1.59E-03 | 1.62E-03 | 1.62E-03 | 1.71E-03 | 1.72E-03 | 1.83E-05 | 2.94E-05 | 5.46E-05 | 1.45E-05 | 1.50E-03 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Methylene Chloride | 2.21E-01 | 2.65E-01 | 3.00E-01 | 3.58E-01 | 3.61E-01 | 4.07E-01 | 4.83E-01 | 5.15E-01 | 2.58E-03 | 2.08E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Nickel Compounds | 3.50E-04 | 3.91E-04 | 4.80E-04 | 6.19E-04 | 7.86E-04 | 1.01E-03 | 1.59E-03 | 1.81E-03 | 2.42E-04 | 4.64E-04 | 3.62E-05 | 4.42E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Perchloroethylene | 1.61E-01 | 1.70E-01 | 1.83E-01 | 1.97E-01 | 1.96E-01 | 2.08E-01 | 2.18E-01 | 2.27E-01 | 4.58E-03 | 5.14E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Polychlorinated Biphenyls | 3.88E-04 | 3.89E-04 | 3.90E-04 | 3.91E-04 | 3.92E-04 | 3.94E-04 | 3.96E-04 | 3.99E-04 | 1.20E-08 | 1.22E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Polycyclic Organic Matter | 5.03E-02 | 5.57E-02 | 8.15E-02 | 9.77E-02 | 1.02E-01 | 1.22E-01 | 1.42E-01 | 1.57E-01 | 1.00E-02 | 7.31E-02 | 1.32E-02 | 5.29E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | 7-PAH | 8.50E-04 | 9.38E-04 | 1.05E-03 | 1.19E-03 | 1.43E-03 | 1.68E-03 | 2.24E-03 | 2.91E-03 | 1.08E-05 | 1.30E-03 | 8.86E-05 | 2.89E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Propylene Dichloride | 3.86E-06 | 4.71E-06 | 6.81E-06 | 8.32E-06 | 9.18E-06 | 1.04E-05 | 1.22E-05 | 1.61E-05 | 0.00E+00 | 9.18E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Quinoline | 1.76E-07 | 2.36E-07 | 2.77E-07 | 3.58E-07 | 4.45E-07 | 5.99E-07 | 7.62E-07 | 8.75E-07 | 0.00E+00 | 4.45E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | 1,1,2,2-Tetrachloroethane | 4.05E-05 | 4.22E-05 | 5.13E-05 | 6.17E-05 | 8.26E-05 | 1.02E-04 | 1.86E-04 | 3.80E-06 | 7.88E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Trichloroethylene | 1.03E-01 | 1.09E-01 | 1.17E-01 | 1.32E-01 | 1.40E-01 | 1.58E-01 | 1.79E-01 | 2.02E-01 | 2.72E-02 | 3.20E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Dakota County | 27037 | U | Vinyl Chloride | 4.20E-04 | 4.46E-04 | 5.16E-04 | 5.88E-04 | 8.70E-04 | 7.38E-04 | 1.04E-03 | 1.27E-03 | 3.39E-06 | 8.67E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Acetaldehyde | 1.29E-01 | 1.29E-01 | 1.34E-01 | 1.58E-01 | 1.76E-01 | 2.19E-01 | 2.42E-01 | 2.42E-01 | 5.88E-06 | 9.06E-02 | 7.06E-02 | 1.50E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Acrolein | 4.48E-03 | 4.48E-03 | 5.63E-03 | 5.74E-03 | 5.87E-03 | 5.93E-03 | 7.59E-03 | 7.59E-03 | 4.84E-07 | 6.33E-04 | 3.95E-03 | 1.29E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Acrylonitrile | 4.70E-05 | 4.70E-05 | 6.40E-05 | 6.43E-05 | 6.71E-05 | 7.20E-05 | 8.83E-05 | 8.83E-05 | 0.00E+00 | 6.71E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Arsenic Compounds | 1.38E-05 | 1.38E-05 | 1.47E-05 | 1.84E-05 | 1.86E-05 | 1.90E-05 | 2.71E-05 | 7.51E-06 | 8.89E-07 | 6.04E-06 | 4.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Benzene | 5.35E-01 | 5.35E-01 | 5.47E-01 | 5.49E-01 | 5.66E-01 | 5.58E-01 | 6.40E-01 | 6.40E-01 | 3.22E-06 | 2.70E-02 | 4.61E-02 | 1.25E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Beryllium Compounds | 4.59E-07 | 4.59E-07 | 4.61E-07 | 5.04E-07 | 5.30E-07 | 5.76E-07 | 6.47E-07 | 6.47E-07 | 1.40E-07 | 3.52E-07 | 0.00E+00 | 3.80E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | 1,3-Butadiene | 2.40E-03 | 2.40E-03 | 2.41E-03 | 2.78E-03 | 4.32E-03 | 4.36E-03 | 9.63E-03 | 9.63E-03 | 1.79E-11 | 7.62E-05 | 3.20E-03 | 1.04E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Cadmium Compounds | 2.02E-06 | 2.02E-06 | 2.17E-06 | 2.20E-06 | 2.31E-06 | 2.40E-06 | 2.77E-06 | 2.77E-06 | 1.39E-06 | 8.89E-07 | 0.00E+00 | 3.77E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.73E-02 | 2.50E-07 | 1.69E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Carbon Tetrachloride | 8.80E-01 | 8.80 | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| | | | | | | | | | | | | | | | | | | |
| Minnesota | Dodge County | 27039 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.36E-05 | 9.36E-05 | 0.00E+00 | 2.48E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Dodge County | 27039 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.46E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Dodge County | 27039 | R | Hexamethylene Diisocyanate | 1.54E-07 | 1.54E-07 | 2.55E-07 | 4.64E-07 | 4.99E-07 | 4.64E-07 | 5.84E-07 | 8.26E-07 | 0.00E+00 | 4.64E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Hydrazine | 2.31E-09 | 2.31E-09 | 3.59E-09 | 4.19E-09 | 5.76E-09 | 4.67E-09 | 1.41E-08 | 1.41E-08 | 0.00E+00 | 5.76E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Lead Compounds | 7.53E-05 | 7.53E-05 | 9.76E-05 | 1.05E-04 | 1.06E-04 | 1.23E-04 | 1.29E-04 | 1.29E-04 | 1.47E-05 | 3.72E-05 | 0.00E+00 | 5.40E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Manganese Compounds | 5.30E-05 | 5.30E-05 | 8.03E-05 | 9.93E-05 | 1.48E-04 | 1.61E-04 | 3.49E-04 | 3.49E-04 | 1.31E-04 | 1.61E-05 | 1.18E-06 | 3.33E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 5.83E-06 | 1.62E-06 | 7.14E-06 | 3.58E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Methylene Chloride | 1.56E-01 | 1.56E-01 | 1.59E-01 | 1.60E-01 | 1.62E-01 | 1.64E-01 | 1.72E-01 | 1.72E-01 | 5.35E-07 | 1.20E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Nickel Compounds | 2.71E-05 | 2.71E-05 | 4.55E-05 | 5.22E-05 | 5.09E-05 | 6.32E-05 | 6.63E-05 | 6.63E-05 | 1.55E-05 | 3.20E-05 | 2.81E-06 | 4.97E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Perchloroethylene | 1.42E-01 | 1.42E-01 | 1.43E-01 | 1.44E-01 | 1.44E-01 | 1.45E-01 | 1.49E-01 | 1.49E-01 | 7.93E-08 | 4.48E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Polychlorinated Biphenyls | 3.87E-04 | 3.87E-04 | 3.89E-04 | 3.93E-04 | 4.04E-04 | 3.94E-04 | 4.55E-04 | 4.55E-04 | 0.00E+00 | 2.35E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Polycyclic Organic Matter | 4.39E-03 | 4.39E-03 | 5.67E-03 | 6.26E-03 | 7.46E-03 | 6.51E-03 | 1.45E-02 | 1.45E-02 | 3.27E-07 | 6.13E-03 | 1.10E-03 | 2.32E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | 7-PAH | 1.49E-04 | 1.49E-04 | 1.90E-04 | 2.18E-04 | 2.59E-04 | 2.32E-04 | 5.06E-04 | 5.06E-04 | 1.69E-09 | 2.47E-04 | 8.69E-06 | 3.53E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Propylene Dichloride | 2.85E-07 | 2.85E-07 | 3.07E-07 | 3.47E-07 | 4.38E-07 | 5.11E-07 | 7.42E-07 | 7.42E-07 | 0.00E+00 | 4.38E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Quinoline | 1.24E-08 | 1.24E-08 | 1.48E-08 | 1.85E-08 | 2.21E-08 | 1.91E-08 | 4.58E-08 | 4.58E-08 | 0.00E+00 | 2.21E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | 1,1,2,2-Tetrachloroethane | 1.36E-05 | 1.36E-05 | 1.64E-05 | 1.81E-05 | 1.87E-05 | 2.08E-05 | 2.44E-05 | 2.44E-05 | 0.00E+00 | 1.87E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Trichloroethylene | 8.17E-02 | 8.17E-02 | 8.28E-02 | 8.40E-02 | 8.34E-02 | 8.42E-02 | 8.43E-02 | 8.43E-02 | 1.06E-03 | 1.36E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Dodge County | 27039 | R | Vinyl Chloride | 1.94E-04 | 1.94E-04 | 2.79E-04 | 3.14E-04 | 3.19E-04 | 4.09E-04 | 4.09E-04 | 0.00E+00 | 3.19E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Acetaldehyde | 6.79E-02 | 6.79E-02 | 8.35E-02 | 1.05E-01 | 1.07E-01 | 1.26E-01 | 1.62E-01 | 1.62E-01 | 5.39E-06 | 2.85E-02 | 6.41E-02 | 1.47E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Acrolein | 4.67E-03 | 4.67E-03 | 5.86E-03 | 6.48E-03 | 7.03E-03 | 7.84E-03 | 1.12E-02 | 1.12E-02 | 2.99E-07 | 1.13E-03 | 4.02E-03 | 1.88E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Acrylonitrile | 2.80E-05 | 2.80E-05 | 3.36E-05 | 4.58E-05 | 5.89E-05 | 8.60E-05 | 1.12E-04 | 1.12E-04 | 1.34E-05 | 4.55E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Arsenic Compounds | 4.89E-06 | 4.89E-06 | 7.16E-06 | 9.14E-06 | 1.07E-05 | 1.31E-05 | 2.22E-05 | 2.22E-05 | 8.40E-09 | 1.44E-06 | 6.19E-06 | 3.10E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Benzene | 5.44E-01 | 5.44E-01 | 5.65E-01 | 5.77E-01 | 6.04E-01 | 6.22E-01 | 7.59E-01 | 7.59E-01 | 6.50E-08 | 4.45E-02 | 4.98E-02 | 2.94E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Beryllium Compounds | 3.25E-07 | 3.25E-07 | 3.50E-07 | 4.68E-07 | 8.21E-07 | 1.03E-06 | 2.54E-06 | 2.54E-06 | 2.56E-09 | 5.64E-07 | 0.00E+00 | 2.53E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | 1,3-Butadiene | 2.25E-03 | 2.25E-03 | 3.56E-03 | 4.75E-03 | 5.96E-03 | 7.17E-03 | 1.45E-02 | 1.45E-02 | 5.00E-07 | 1.78E-04 | 3.07E-03 | 2.09E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Cadmium Compounds | 1.18E-06 | 1.18E-06 | 1.32E-06 | 2.02E-06 | 2.27E-06 | 2.96E-06 | 4.38E-06 | 4.38E-06 | 1.02E-06 | 1.00E-06 | 0.00E+00 | 2.53E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 0.00E+00 | 8.84E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.99E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Chloroform | 8.46E-02 | 8.46E-02 | 8.48E-02 | 8.54E-02 | 8.79E-02 | 8.92E-02 | 1.00E-01 | 1.00E-01 | 0.00E+00 | 4.92E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Chromium Compounds (includes Hexavalent) | 2.12E-06 | 2.12E-06 | 3.27E-06 | 4.28E-06 | 5.27E-06 | 6.85E-06 | 1.12E-05 | 1.12E-05 | 4.12E-08 | 1.12E-06 | 3.77E-06 | 3.37E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Chromium VI | 9.28E-07 | 9.28E-07 | 1.40E-06 | 1.70E-06 | 2.23E-06 | 2.91E-06 | 4.88E-06 | 4.88E-06 | 1.41E-08 | 6.12E-07 | 1.49E-06 | 1.14E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | 1,4-Dichlorobenzene | 1.03E-03 | 1.03E-03 | 1.18E-03 | 1.67E-03 | 3.46E-03 | 4.29E-03 | 1.24E-02 | 1.24E-02 | 0.00E+00 | 3.46E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | 1,3-Dichloropropene | 4.01E-03 | 4.01E-03 | 4.63E-03 | 6.65E-03 | 1.40E-02 | 1.74E-02 | 5.04E-02 | 5.04E-02 | 0.00E+00 | 1.40E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 5.14E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 1.19E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Ethylene Oxide | 2.23E-04 | 2.23E-04 | 2.59E-04 | 3.68E-04 | 4.85E-04 | 1.13E-03 | 2.95E-03 | 2.95E-03 | 0.00E+00 | 8.35E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Formaldehyde | 2.90E-01 | 2.90E-01 | 3.03E-01 | 3.11E-01 | 3.21E-01 | 3.41E-01 | 3.69E-01 | 3.69E-01 | 1.09E-02 | 3.57E-03 | 3.30E-02 | 2.38E-02 | 2.50E-01 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.42E-05 | 9.42E-05 | 0.00E+00 | 3.26E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 7.93E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.56E-06 | 0.00E+00 | 1.25E-05 | 1.25E-05 | 0.00E+00 | 1.56E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Hydrazine | 1.28E-10 | 1.28E-10 | 1.78E-10 | 2.32E-10 | 2.94E-09 | 4.95E-09 | 1.27E-08 | 1.27E-08 | 0.00E+00 | 2.94E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Lead Compounds | 8.60E-05 | 8.60E-05 | 1.37E-04 | 1.64E-04 | 4.28E-04 | 4.06E-04 | 1.93E-03 | 1.93E-03 | 5.77E-06 | 1.15E-04 | 0.00E+00 | 3.07E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Manganese Compounds | 2.49E-06 | 2.49E-06 | 3.08E-06 | 3.63E-06 | 5.77E-06 | 7.21E-06 | 1.58E-05 | 1.58E-05 | 1.50E-08 | 4.20E-06 | 1.23E-06 | 3.12E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 6.42E-06 | 1.77E-06 | 7.19E-06 | 2.81E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Methylene Chloride | 1.55E-01 | 1.55E-01 | 1.56E-01 | 1.59E-01 | 1.71E-01 | 1.79E-01 | 2.22E-01 | 2.22E-01 | 0.00E+00 | 2.06E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Nickel Compounds | 6.27E-06 | 6.27E-06 | 8.47E-06 | 1.25E-05 | 3.23E-05 | 4.77E-05 | 1.15E-04 | 1.15E-04 | 5.95E-08 | 2.89E-05 | 2.84E-06 | 5.21E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.44E-01 | 1.52E-01 | 1.52E-01 | 0.00E+00 | 3.46E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Polychlorinated Biphenyls | 3.87E-04 | 3.87E-04 | 3.88E-04 | 3.94E-04 | 4.14E-04 | 4.23E-04 | 5.19E-04 | 5.19E-04 | 0.00E+00 | 3.43E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Polycyclic Organic Matter | 4.92E-03 | 4.92E-03 | 5.92E-03 | 7.24E-03 | 1.10E-02 | 1.31E-02 | 3.07E-02 | 3.07E-02 | 7.64E-06 | 9.44E-03 | 1.13E-03 | 4.25E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | 7-PAH | 1.93E-04 | 1.93E-04 | 2.67E-04 | 3.21E-04 | 4.60E-04 | 5.19E-04 | 1.27E-03 | 1.27E-03 | 2.16E-08 | 4.44E-04 | 8.64E-06 | 7.47E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | Propylene Dichloride | 1.01E-07 | 1.01E-07 | 1.20E-07 | 1.77E-07 | 2.22E-07 | 3.37E-07 | 4.04E-07 | 4.04E-07 | 0.00E+00 | 2.22E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Douglas County | 27041 | R | | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Faribault County | 27043 | R | 1,3-Butadiene | 1.36E-03 | 1.36E-03 | 1.64E-03 | 2.67E-03 | 3.70E-03 | 3.63E-03 | 1.02E-02 | 1.02E-02 | 2.55E-13 | 6.42E-05 | 2.68E-03 | 9.58E-04 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Cadmium Compounds | 2.22E-07 | 2.22E-07 | 2.33E-07 | 7.17E-07 | 6.51E-07 | 9.60E-07 | 1.06E-06 | 1.06E-06 | 1.12E-07 | 5.17E-07 | 0.00E+00 | 2.24E-08 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.71E-02 | 4.79E-02 | 4.79E-02 | 7.51E-09 | 2.15E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Faribault County | 27043 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.97E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Faribault County | 27043 | R | Chloroform | 8.34E-02 | 8.34E-02 | 8.39E-02 | 8.41E-02 | 8.44E-02 | 8.42E-02 | 8.67E-02 | 8.67E-02 | 0.00E+00 | 1.39E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Faribault County | 27043 | R | Chromium Compounds (includes Hexavalent) | 3.21E-06 | 3.21E-06 | 3.63E-06 | 4.27E-06 | 5.16E-06 | 4.93E-06 | 1.07E-05 | 1.07E-05 | 3.47E-07 | 2.08E-06 | 2.61E-06 | 1.18E-07 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Chromium VI | 1.28E-06 | 1.28E-06 | 1.35E-06 | 1.70E-06 | 2.33E-06 | 2.31E-06 | 5.67E-06 | 5.67E-06 | 7.78E-08 | 1.18E-06 | 1.04E-06 | 4.00E-08 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | 1,4-Dichlorobenzene | 6.08E-04 | 6.08E-04 | 6.52E-04 | 9.21E-04 | 1.61E-03 | 1.70E-03 | 4.83E-03 | 4.83E-03 | 0.00E+00 | 1.61E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | 1,3-Dichloropropene | 2.12E-03 | 2.12E-03 | 2.40E-03 | 3.46E-03 | 6.27E-03 | 6.69E-03 | 1.95E-02 | 1.95E-02 | 0.00E+00 | 6.27E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 8.11E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Faribault County | 27043 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 2.31E-09 | 1.78E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Faribault County | 27043 | R | Ethylene Oxide | 9.68E-05 | 9.68E-05 | 1.21E-04 | 1.90E-04 | 3.38E-04 | 3.41E-04 | 1.09E-03 | 1.09E-03 | 0.00E+00 | 3.38E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Formaldehyde | 2.97E-01 | 2.97E-01 | 2.98E-01 | 3.00E-01 | 3.05E-01 | 3.08E-01 | 3.26E-01 | 3.26E-01 | 2.69E-04 | 1.51E-03 | 2.26E-02 | 3.02E-02 | 2.50E-01 |
| Minnesota | Faribault County | 27043 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.35E-05 | 9.35E-05 | 0.00E+00 | 1.84E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Faribault County | 27043 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.17E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Faribault County | 27043 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.55E-07 | 3.24E-07 | 6.03E-07 | 8.33E-07 | 8.33E-07 | 3.24E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Hydrazine | 5.33E-10 | 5.33E-10 | 1.09E-09 | 4.31E-09 | 1.40E-08 | 8.15E-09 | 6.57E-08 | 6.57E-08 | 0.00E+00 | 1.40E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Lead Compounds | 1.89E-05 | 1.89E-05 | 4.03E-05 | 4.34E-04 | 3.86E-04 | 6.49E-04 | 7.39E-04 | 7.39E-04 | 2.09E-04 | 1.86E-05 | 0.00E+00 | 1.59E-04 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Manganese Compounds | 1.71E-06 | 1.71E-06 | 5.96E-06 | 6.32E-06 | 6.14E-06 | 7.09E-06 | 9.42E-06 | 9.42E-06 | 1.21E-07 | 4.85E-06 | 8.42E-07 | 3.23E-07 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 2.15E-07 | 1.14E-06 | 5.33E-06 | 3.52E-06 | 1.50E-03 |
| Minnesota | Faribault County | 27043 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.55E-01 | 1.60E-01 | 1.58E-01 | 1.84E-01 | 1.84E-01 | 5.79E-07 | 9.86E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Faribault County | 27043 | R | Nickel Compounds | 6.80E-06 | 6.80E-06 | 7.62E-06 | 1.41E-05 | 2.01E-05 | 1.81E-05 | 5.97E-05 | 5.97E-05 | 1.52E-07 | 1.75E-05 | 1.98E-06 | 4.70E-07 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.45E-01 | 1.45E-01 | 2.28E-09 | 1.62E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Faribault County | 27043 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.85E-04 | 3.87E-04 | 3.93E-04 | 3.89E-04 | 4.26E-04 | 4.26E-04 | 0.00E+00 | 1.34E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Faribault County | 27043 | R | Polycyclic Organic Matter | 2.59E-03 | 2.59E-03 | 2.70E-03 | 3.48E-03 | 4.58E-03 | 4.91E-03 | 1.03E-02 | 1.03E-02 | 3.65E-07 | 3.56E-03 | 7.74E-04 | 2.38E-04 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | 7-PAH | 8.51E-05 | 8.51E-05 | 9.34E-05 | 1.44E-04 | 1.56E-04 | 1.74E-04 | 2.96E-04 | 2.96E-04 | 3.44E-10 | 1.47E-04 | 6.26E-06 | 2.96E-06 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Propylene Dichloride | 1.26E-07 | 1.26E-07 | 3.89E-07 | 1.45E-06 | 1.59E-06 | 2.44E-06 | 3.69E-06 | 3.69E-06 | 0.00E+00 | 1.59E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Quinoline | 6.08E-09 | 6.08E-09 | 6.16E-09 | 1.58E-08 | 4.24E-08 | 3.10E-08 | 1.79E-07 | 1.79E-07 | 0.00E+00 | 4.24E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | 1,1,2,2-Tetrachloroethane | 4.55E-06 | 4.55E-06 | 1.33E-05 | 2.56E-05 | 2.33E-05 | 3.35E-05 | 3.71E-05 | 3.71E-05 | 0.00E+00 | 2.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Faribault County | 27043 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.14E-02 | 8.17E-02 | 8.22E-02 | 8.18E-02 | 8.52E-02 | 8.52E-02 | 1.37E-04 | 1.04E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Faribault County | 27043 | R | Vinyl Chloride | 6.49E-05 | 6.49E-05 | 9.52E-05 | 1.07E-04 | 1.93E-04 | 1.80E-04 | 6.07E-04 | 6.07E-04 | 0.00E+00 | 1.93E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Acetaldehyde | 4.76E-02 | 4.76E-02 | 6.13E-02 | 7.12E-02 | 7.23E-02 | 8.78E-02 | 9.47E-02 | 9.47E-02 | 8.99E-07 | 1.56E-02 | 4.53E-02 | 1.15E-02 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Acrolein | 3.96E-03 | 3.96E-03 | 4.02E-03 | 4.19E-03 | 4.33E-03 | 4.65E-03 | 4.97E-03 | 4.97E-03 | 1.76E-07 | 1.06E-03 | 2.45E-03 | 8.16E-04 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Acrylonitrile | 1.06E-05 | 1.06E-05 | 1.31E-05 | 1.56E-05 | 1.95E-05 | 2.53E-05 | 3.68E-05 | 3.68E-05 | 0.00E+00 | 1.95E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Arsenic Compounds | 5.05E-06 | 5.05E-06 | 6.64E-06 | 7.61E-06 | 8.78E-06 | 1.05E-05 | 1.53E-05 | 1.53E-05 | 1.88E-06 | 4.13E-07 | 3.58E-06 | 2.90E-06 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Benzene | 5.19E-01 | 5.19E-01 | 5.29E-01 | 5.30E-01 | 5.29E-01 | 5.31E-01 | 5.35E-01 | 5.35E-01 | 1.05E-06 | 1.45E-02 | 2.65E-02 | 7.93E-03 | 4.80E-01 |
| Minnesota | Fillmore County | 27045 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Beryllium Compounds | 1.57E-07 | 1.57E-07 | 1.76E-07 | 2.23E-07 | 2.90E-07 | 4.79E-07 | 4.83E-07 | 4.83E-07 | 1.02E-07 | 1.76E-07 | 0.00E+00 | 1.23E-08 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | 1,3-Butadiene | 1.81E-03 | 1.81E-03 | 2.32E-03 | 2.83E-03 | 2.62E-03 | 2.94E-03 | 2.99E-03 | 2.99E-03 | 2.43E-12 | 3.43E-04 | 1.66E-03 | 6.17E-04 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Cadmium Compounds | 3.08E-07 | 3.08E-07 | 3.36E-07 | 5.25E-07 | 1.33E-06 | 3.04E-06 | 3.23E-06 | 3.23E-06 | 9.14E-07 | 3.97E-07 | 0.00E+00 | 1.42E-08 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 9.35E-08 | 5.14E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Fillmore County | 27045 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.81E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Fillmore County | 27045 | R | Chloroform | 8.38E-02 | 8.38E-02 | 8.38E-02 | 8.41E-02 | 8.41E-02 | 8.42E-02 | 8.44E-02 | 8.44E-02 | 4.24E-08 | 1.06E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Fillmore County | 27045 | R | Chromium Compounds (includes Hexavalent) | 2.43E-06 | 2.43E-06 | 2.60E-06 | 3.22E-06 | 7.02E-06 | 8.76E-06 | 2.19E-05 | 2.19E-05 | 4.07E-06 | 7.32E-07 | 2.13E-06 | 9.19E-08 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Chromium VI | 7.95E-07 | 7.95E-07 | 9.81E-07 | 1.10E-06 | 1.43E-06 | 1.97E-06 | 2.63E-06 | 2.63E-06 | 3.49E-07 | 1.97E-07 | 8.51E-07 | 3.12E-08 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | 1,4-Dichlorobenzene | 8.21E-04 | 8.21E-04 | 1.02E-03 | 1.06E-03 | 1.08E-03 | 1.12E-03 | 1.41E-03 | 1.41E-03 | 0.00E+00 | 1.08E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | 1,3-Dichloropropene | 2.83E-03 | 2.83E-03 | 3.60E-03 | 4.00E-03 | 4.02E-03 | 4.35E-03 | 5.36E-03 | 5.36E-03 | 0.00E+00 | 4.02E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.76E-08 | 3.10E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Fillmore County | 27045 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 2.88E-08 | 9.23E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Fillmore County | 27045 | R | Ethylene Oxide | 1.40E-04 | 1.40E-04 | 1.76E-04 | 2.13E-04 | 2.13E-04 | 2.38E-04 | 2.98E-04 | 2.98E-04 | 0.00E+00 | 2.13E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Formaldehyde | 2.88E-01 | 2.88E-01 | 2.98E-01 | 2.99E-01 | 2.99E-01 | 3.05E-01 | 3.05E-01 | 3.05E-01 | 3.14E-03 | 4.65E-03 | 2.07E-02 | 2.06E-02 | 2.50E-01 |
| Minnesota | Fillmore County | 27045 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.23E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Fillmore County | 27045 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 6.17E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Fillmore County | 27045 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Hydrazine | 3.54E-11 | 3.54E-11 | 4.91E-11 | 5.36E | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Fillmore County | 27045 | R | Polycyclic Organic Matter | 3.10E-03 | 3.10E-03 | 3.84E-03 | 4.07E-03 | 3.93E-03 | 4.20E-03 | 4.32E-03 | 4.32E-03 | 4.50E-08 | 3.13E-03 | 6.43E-04 | 1.55E-04 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | 7-PAH | 1.56E-04 | 1.56E-04 | 1.59E-04 | 1.80E-04 | 1.79E-04 | 1.82E-04 | 2.20E-04 | 2.20E-04 | 1.44E-10 | 1.72E-04 | 5.20E-06 | 1.93E-06 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Propylene Dichloride | 1.10E-07 | 1.10E-07 | 1.20E-07 | 1.67E-07 | 2.21E-07 | 2.82E-07 | 4.82E-07 | 4.82E-07 | 0.00E+00 | 2.21E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Quinoline | 9.68E-10 | 9.68E-10 | 1.02E-09 | 1.31E-09 | 3.09E-09 | 4.98E-09 | 8.94E-09 | 8.94E-09 | 0.00E+00 | 3.09E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | 1,1,2,2-Tetrachloroethane | 3.02E-06 | 3.02E-06 | 3.16E-06 | 4.69E-06 | 5.48E-06 | 6.72E-06 | 1.06E-05 | 1.06E-05 | 0.00E+00 | 5.48E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Fillmore County | 27045 | R | Trichloroethylene | 8.14E-02 | 8.14E-02 | 8.15E-02 | 8.15E-02 | 8.15E-02 | 8.17E-02 | 8.17E-02 | 8.17E-02 | 0.00E+00 | 5.40E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Fillmore County | 27045 | R | Vinyl Chloride | 7.61E-05 | 7.61E-05 | 9.95E-05 | 1.26E-04 | 1.28E-04 | 1.63E-04 | 1.80E-04 | 1.80E-04 | 0.00E+00 | 1.28E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Acetaldehyde | 8.04E-02 | 9.43E-02 | 1.11E-01 | 1.90E-01 | 4.87E-01 | 1.04E+00 | 1.29E+00 | 1.43E+00 | 1.30E-06 | 3.63E-01 | 1.05E-01 | 1.87E-02 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Acrolein | 3.58E-03 | 3.75E-03 | 4.12E-03 | 9.21E-03 | 8.31E-03 | 1.13E-02 | 1.32E-02 | 1.36E-02 | 1.16E-07 | 1.31E-03 | 5.63E-03 | 1.37E-03 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Acrylonitrile | 4.13E-05 | 7.41E-05 | 2.49E-04 | 3.21E-04 | 3.03E-04 | 4.35E-04 | 4.59E-04 | 4.70E-04 | 1.08E-04 | 1.95E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Arsenic Compounds | 6.44E-06 | 7.23E-06 | 1.03E-05 | 2.96E-05 | 2.56E-05 | 3.52E-05 | 4.35E-05 | 4.58E-05 | 3.71E-06 | 3.07E-06 | 1.38E-05 | 5.01E-06 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Benzene | 5.21E-01 | 5.25E-01 | 5.34E-01 | 6.89E-01 | 6.67E-01 | 7.53E-01 | 8.36E-01 | 8.53E-01 | 1.82E-04 | 5.03E-02 | 1.13E-01 | 2.37E-02 | 4.80E-01 |
| Minnesota | Freeborn County | 27047 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Beryllium Compounds | 2.52E-07 | 2.75E-07 | 3.57E-07 | 1.31E-06 | 1.17E-06 | 1.91E-06 | 2.15E-06 | 2.30E-06 | 3.04E-08 | 9.28E-07 | 0.00E+00 | 2.16E-07 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | 1,3-Butadiene | 1.23E-03 | 1.85E-03 | 2.77E-03 | 1.56E-02 | 1.43E-02 | 2.30E-02 | 2.96E-02 | 3.19E-02 | 4.90E-10 | 6.19E-05 | 1.17E-02 | 2.58E-03 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Cadmium Compounds | 4.91E-07 | 5.47E-07 | 8.65E-06 | 1.64E-05 | 1.31E-05 | 1.78E-05 | 1.84E-05 | 1.85E-05 | 1.11E-05 | 1.71E-06 | 0.00E+00 | 2.16E-07 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.75E-02 | 4.82E-02 | 4.82E-02 | 4.83E-02 | 5.49E-08 | 4.69E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Freeborn County | 27047 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 3.55E-07 | 2.12E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Freeborn County | 27047 | U | Chloroform | 8.35E-02 | 8.36E-02 | 8.37E-02 | 8.88E-02 | 8.84E-02 | 9.20E-02 | 9.45E-02 | 9.53E-02 | 7.29E-05 | 5.30E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Freeborn County | 27047 | U | Chromium Compounds (includes Hexavalent) | 8.61E-06 | 1.05E-05 | 9.68E-05 | 1.81E-04 | 1.46E-04 | 2.03E-04 | 2.10E-04 | 9.87E-05 | 3.82E-05 | 8.89E-06 | 3.52E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Chromium VI | 2.85E-06 | 3.45E-06 | 1.24E-05 | 3.00E-05 | 2.94E-05 | 4.66E-05 | 5.72E-05 | 6.46E-05 | 6.08E-06 | 1.96E-05 | 3.57E-06 | 1.20E-07 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | 1,4-Dichlorobenzene | 8.60E-04 | 8.82E-04 | 9.68E-04 | 7.70E-03 | 7.14E-03 | 1.23E-02 | 1.53E-02 | 1.55E-02 | 0.00E+00 | 7.14E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | 1,3-Dichloropropene | 2.98E-03 | 3.17E-03 | 3.59E-03 | 3.11E-02 | 2.88E-02 | 4.98E-02 | 6.21E-02 | 6.32E-02 | 0.00E+00 | 2.88E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 5.32E-08 | 1.15E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Freeborn County | 27047 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.14E-02 | 6.14E-02 | 6.14E-02 | 1.74E-06 | 1.47E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Freeborn County | 27047 | U | Ethylene Oxide | 1.36E-04 | 1.54E-04 | 1.80E-04 | 1.62E-03 | 1.63E-03 | 2.57E-03 | 3.78E-03 | 4.44E-03 | 0.00E+00 | 1.63E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Formaldehyde | 2.85E-01 | 2.90E-01 | 2.97E-01 | 3.59E-01 | 3.57E-01 | 4.00E-01 | 4.44E-01 | 4.50E-01 | 4.07E-05 | 9.66E-03 | 6.61E-02 | 3.07E-02 | 2.50E-01 |
| Minnesota | Freeborn County | 27047 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.34E-05 | 9.34E-05 | 9.38E-05 | 9.38E-05 | 9.38E-05 | 0.00E+00 | 4.25E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Freeborn County | 27047 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 6.19E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Freeborn County | 27047 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.13E-08 | 3.70E-08 | 6.69E-08 | 8.68E-08 | 1.04E-07 | 0.00E+00 | 3.70E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Hydrazine | 1.27E-10 | 1.70E-10 | 2.63E-10 | 7.72E-09 | 6.39E-09 | 1.05E-08 | 1.41E-08 | 1.68E-08 | 0.00E+00 | 6.39E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Lead Compounds | 3.97E-05 | 4.47E-05 | 5.05E-05 | 2.24E-04 | 3.44E-04 | 3.19E-04 | 1.10E-03 | 1.82E-03 | 1.68E-05 | 3.67E-05 | 0.00E+00 | 2.91E-04 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Manganese Compounds | 2.52E-05 | 3.24E-05 | 4.10E-05 | 1.64E-04 | 2.51E-04 | 3.08E-04 | 7.60E-04 | 9.19E-04 | 4.07E-06 | 2.43E-04 | 2.93E-06 | 4.51E-07 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.56E-03 | 1.55E-03 | 1.57E-03 | 1.57E-03 | 1.57E-03 | 2.59E-05 | 1.91E-06 | 1.57E-05 | 4.35E-06 | 1.50E-03 |
| Minnesota | Freeborn County | 27047 | U | Methylene Chloride | 1.57E-01 | 1.57E-01 | 1.59E-01 | 2.48E-01 | 2.31E-01 | 2.90E-01 | 3.10E-01 | 3.18E-01 | 4.12E-05 | 8.05E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Freeborn County | 27047 | U | Nickel Compounds | 1.14E-05 | 1.15E-05 | 1.27E-05 | 8.39E-05 | 8.03E-05 | 1.39E-04 | 1.73E-04 | 1.99E-04 | 1.36E-06 | 7.14E-05 | 6.81E-06 | 7.28E-07 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.49E-01 | 1.48E-01 | 1.54E-01 | 1.56E-01 | 1.57E-01 | 4.03E-05 | 7.96E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Freeborn County | 27047 | U | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.85E-04 | 4.31E-04 | 4.28E-04 | 4.69E-04 | 4.80E-04 | 4.89E-04 | 5.37E-08 | 4.76E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Freeborn County | 27047 | U | Polycyclic Organic Matter | 3.67E-03 | 3.75E-03 | 6.68E-03 | 2.46E-02 | 2.10E-02 | 3.37E-02 | 3.76E-02 | 4.00E-02 | 4.33E-03 | 1.35E-02 | 2.66E-03 | 5.13E-04 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | 7-PAH | 1.26E-04 | 1.30E-04 | 1.36E-04 | 4.83E-04 | 4.44E-04 | 6.89E-04 | 8.52E-04 | 9.49E-04 | 1.85E-09 | 4.18E-04 | 2.05E-05 | 5.63E-06 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Propylene Dichloride | 1.05E-07 | 7.71E-07 | 2.48E-06 | 3.63E-06 | 3.92E-06 | 5.17E-06 | 7.48E-06 | 9.62E-06 | 0.00E+00 | 3.92E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Quinoline | 2.33E-09 | 2.49E-09 | 2.72E-09 | 2.14E-08 | 1.86E-08 | 2.95E-08 | 3.83E-08 | 4.52E-08 | 0.00E+00 | 1.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | 1,1,2,2-Tetrachloroethane | 1.24E-05 | 2.01E-05 | 4.99E-05 | 7.10E-05 | 6.19E-05 | 7.26E-05 | 9.07E-05 | 1.01E-04 | 0.00E+00 | 6.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Freeborn County | 27047 | U | Trichloroethylene | 8.16E-02 | 8.16E-02 | 8.17E-02 | 8.74E-02 | 8.69E-02 | 9.02E-02 | 9.33E-02 | 9.43E-02 | 7.07E-05 | 5.79E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Freeborn County | 27047 | U | Vinyl Chloride | 1.43E-04 | 1.79E-04 | 2.21E-04 | 5.76E-04 | 1.86E-03 | 5.06E-03 | 5.07E-03 | 5.08E-03 | 2.07E-05 | 1.84E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Acetaldehyde | 9.00E-02 | 1.31E-01 | 2.12E-01 | 2.47E-01 | 3.56E-01 | 3.34E-01 | 8.67E-01 | 1.37E+00 | 4.91E-04 | 1.90E-01 | 1.34E-01 | 3.10E-02 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Acrolein | 6.32E-03 | 6.50E-03 | 7.54E-03 | 1.01E-02 | 1.37E-02 | 2.34E-02 | 2.35E-02 | 2.35E-02 | 2.83E-04 | 2.76E-03 | 7.77E-03 | 2.86E-03 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Acrylonitrile | 6.86E-05 | 7.86E-05 | 8.87E-05 | 1.39E-04 | 1.69E-04 | 1.71E-04 | 3.60E-04 | 5.04E-04 | 1.46E-07 | 1.69E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Arsenic Compounds | 1.52E-05 | 1.87E-05 | 2.39E-05 | 3.60E-05 | 4.32E-05 | 5.88E-05 | 8.23E-05 | 8.44E-05 | 1.97E-05 | 3.44E-06 | 1.27E-05 | 7.40E-06 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Benzene | 5.60E-01 | 5.64E-01 | 5.68E-01 | 5.93E-01 | 6.92E-01 | 8.30E-01 | 9.53E-01 | 9.86E-01 | 2.65E-03 | 6.50E-02 | 1.11E-01 | 3.41E-02 | 4.80E-01 |
| Minnesota | Goodhue County | 27049 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Beryllium Compounds | 8.04E-07 | 8.17E-07 | 8.36E-07 | 1.29E-06 | 2.12E-06 | 3.09E-06 | 4.55E-06 | 5.06E-06 | 2.59E-07 | 9.91E-07 | 0.00E+00 | 8.66E-07 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | 1,3-Butadiene | 3.06E-03 | 3.10E-03 | 3.25E-03 | 3.55E-03 | 1.25E-02 | 2.00E-02 | 3.54E-02 | 3.69E-02 | 3.86E-05 | 6.16E-04 | 9.00E-03 | 2.88E-03 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Cadmium Compounds | 3.30E-06 | 4.29E-06 | 5.35E-06 | 1.12E-05 | 1.98E-05 | 4.19E-05 | 4.92E-05 | 5.14E-05 | 1.64E-05 | 2.41E-06 | 0.00E+00 | 1.02E-06 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.75E-02 | 4.75E-02 | 4.76E-02 | 4.77E-02 | 4.85E-02 | 2.10E-04 | 3.85E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Goodhue County | 27049 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| | | | | | | | | | | | | | | | | | | |
| Minnesota | Goodhue County | 27049 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.10E-02 | 6.12E-02 | 6.13E-02 | 1.06E-06 | 6.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Goodhue County | 27049 | U | Ethylene Oxide | 4.66E-04 | 4.91E-04 | 5.53E-04 | 7.06E-04 | 1.85E-03 | 2.92E-03 | 5.23E-03 | 5.35E-03 | 0.00E+00 | 1.85E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Formaldehyde | 3.10E-01 | 3.12E-01 | 3.21E-01 | 3.41E-01 | 3.99E-01 | 5.20E-01 | 5.32E-01 | 5.40E-01 | 4.72E-03 | 1.04E-02 | 7.77E-02 | 5.66E-02 | 2.50E-01 | 2.50E-01 |
| Minnesota | Goodhue County | 27049 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.35E-05 | 9.35E-05 | 9.46E-05 | 9.47E-05 | 0.00E+00 | 4.99E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Goodhue County | 27049 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Goodhue County | 27049 | U | Hexamethylene Diisocyanate | 0.00E+00 | 2.17E-08 | 4.45E-08 | 2.71E-07 | 1.82E-06 | 6.88E-07 | 8.13E-06 | 1.80E-03 | 2.43E-08 | 1.80E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Hydrazine | 7.21E-11 | 1.37E-10 | 2.27E-10 | 4.29E-09 | 3.70E-09 | 6.18E-09 | 7.88E-09 | 8.22E-09 | 2.68E-09 | 1.02E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Lead Compounds | 7.32E-05 | 9.74E-05 | 1.22E-04 | 3.15E-04 | 4.71E-04 | 5.74E-04 | 1.26E-03 | 1.56E-03 | 3.45E-04 | 7.88E-05 | 0.00E+00 | 4.76E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Manganese Compounds | 2.68E-05 | 3.59E-05 | 4.79E-05 | 6.12E-05 | 9.17E-05 | 1.35E-04 | 1.86E-04 | 2.19E-04 | 2.20E-05 | 6.51E-05 | 2.58E-06 | 2.11E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.54E-03 | 1.59E-03 | 1.72E-03 | 1.75E-03 | 1.76E-03 | 6.11E-05 | 1.09E-05 | 1.45E-05 | 7.39E-06 | 1.50E-03 | 1.50E-03 |
| Minnesota | Goodhue County | 27049 | U | Methylene Chloride | 1.61E-01 | 1.61E-01 | 1.63E-01 | 1.67E-01 | 1.92E-01 | 2.25E-01 | 2.60E-01 | 2.64E-01 | 4.97E-05 | 4.23E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Goodhue County | 27049 | U | Nickel Compounds | 8.64E-05 | 9.18E-05 | 1.12E-04 | 3.83E-04 | 5.77E-04 | 4.90E-04 | 1.76E-03 | 2.98E-03 | 5.24E-05 | 4.90E-04 | 6.12E-06 | 2.79E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Perchloroethylene | 1.43E-01 | 1.43E-01 | 1.44E-01 | 1.45E-01 | 1.50E-01 | 1.60E-01 | 1.62E-01 | 1.62E-01 | 2.50E-04 | 9.99E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Goodhue County | 27049 | U | Polychlorinated Biphenyls | 3.88E-04 | 3.88E-04 | 3.89E-04 | 3.94E-04 | 4.32E-04 | 4.27E-04 | 5.65E-04 | 5.83E-04 | 1.20E-09 | 5.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Goodhue County | 27049 | U | Polycyclic Organic Matter | 7.30E-03 | 7.54E-03 | 8.46E-03 | 1.26E-02 | 2.16E-02 | 3.64E-02 | 4.47E-02 | 4.68E-02 | 4.11E-04 | 1.80E-02 | 2.46E-03 | 7.19E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | 7-PAH | 2.34E-04 | 2.51E-04 | 3.09E-04 | 5.06E-04 | 7.53E-04 | 1.32E-03 | 1.43E-03 | 1.49E-03 | 6.64E-07 | 7.22E-04 | 1.90E-05 | 1.14E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Propylene Dichloride | 2.61E-07 | 3.46E-07 | 4.53E-07 | 7.56E-07 | 1.07E-06 | 9.69E-07 | 2.84E-06 | 4.68E-06 | 0.00E+00 | 1.07E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Quinoline | 1.52E-09 | 2.64E-09 | 4.34E-09 | 1.78E-08 | 1.66E-08 | 2.32E-08 | 3.53E-08 | 4.67E-08 | 0.00E+00 | 1.66E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | 1,1,2,2-Tetrachloroethane | 2.17E-05 | 2.22E-05 | 2.45E-05 | 3.93E-05 | 4.47E-05 | 4.95E-05 | 8.81E-05 | 1.15E-04 | 0.00E+00 | 4.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Goodhue County | 27049 | U | Trichloroethylene | 8.27E-02 | 8.28E-02 | 8.49E-02 | 8.82E-02 | 8.89E-02 | 9.30E-02 | 9.65E-02 | 9.94E-02 | 3.18E-03 | 4.71E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Goodhue County | 27049 | U | Vinyl Chloride | 1.33E-04 | 2.12E-04 | 3.13E-04 | 3.72E-04 | 7.50E-04 | 4.75E-04 | 2.40E-03 | 4.14E-03 | 0.00E+00 | 7.50E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Acetaldehyde | 8.80E-02 | 8.80E-02 | 8.80E-02 | 1.52E-01 | 1.52E-01 | 2.16E-01 | 2.16E-01 | 2.16E-01 | 7.96E-07 | 8.45E-02 | 3.87E-02 | 2.88E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Acrolein | 4.08E-03 | 4.08E-03 | 4.08E-03 | 4.65E-03 | 4.65E-03 | 5.22E-03 | 5.22E-03 | 5.22E-03 | 7.93E-08 | 3.38E-04 | 2.19E-03 | 2.12E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Acrylonitrile | 1.18E-05 | 1.18E-05 | 1.18E-05 | 1.33E-05 | 1.33E-05 | 1.47E-05 | 1.47E-05 | 1.47E-05 | 1.39E-06 | 1.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Arsenic Compounds | 5.70E-06 | 5.70E-06 | 5.70E-06 | 7.05E-06 | 7.05E-06 | 8.40E-06 | 8.40E-06 | 8.40E-06 | 6.13E-08 | 5.72E-07 | 3.03E-06 | 3.39E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Benzene | 5.23E-01 | 5.23E-01 | 5.23E-01 | 5.36E-01 | 5.36E-01 | 5.48E-01 | 5.48E-01 | 5.48E-01 | 1.05E-08 | 9.74E-03 | 2.28E-02 | 2.30E-02 | 4.80E-01 | 4.80E-01 |
| Minnesota | Grant County | 27051 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Beryllium Compounds | 4.65E-07 | 4.65E-07 | 4.65E-07 | 4.84E-07 | 4.84E-07 | 5.03E-07 | 5.03E-07 | 5.03E-07 | 2.41E-10 | 1.24E-07 | 0.00E+00 | 3.60E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | 1,3-Butadiene | 2.19E-03 | 2.19E-03 | 2.19E-03 | 3.09E-03 | 3.09E-03 | 4.00E-03 | 4.00E-03 | 4.00E-03 | 5.73E-09 | 6.16E-05 | 1.33E-03 | 1.70E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Cadmium Compounds | 3.27E-06 | 3.27E-06 | 3.27E-06 | 3.27E-06 | 3.27E-06 | 3.28E-06 | 3.28E-06 | 3.28E-06 | 2.66E-06 | 2.56E-07 | 0.00E+00 | 3.59E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 0.00E+00 | 6.33E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.70E-02 |
| Minnesota | Grant County | 27051 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.36E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Grant County | 27051 | R | Chloroform | 8.38E-02 | 8.38E-02 | 8.38E-02 | 8.40E-02 | 8.40E-02 | 8.41E-02 | 8.41E-02 | 8.41E-02 | 0.00E+00 | 9.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Grant County | 27051 | R | Chromium Compounds (includes Hexavalent) | 1.94E-06 | 1.94E-06 | 1.94E-06 | 3.15E-06 | 3.15E-06 | 4.36E-06 | 4.36E-06 | 4.36E-06 | 3.24E-07 | 7.61E-07 | 1.77E-06 | 2.97E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Chromium VI | 6.34E-07 | 6.34E-07 | 6.34E-07 | 9.71E-07 | 9.71E-07 | 1.31E-06 | 1.31E-06 | 1.31E-06 | 2.14E-08 | 1.45E-07 | 7.03E-07 | 1.01E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | 1,4-Dichlorobenzene | 5.91E-04 | 5.91E-04 | 5.91E-04 | 6.53E-04 | 6.53E-04 | 7.14E-04 | 7.14E-04 | 7.14E-04 | 0.00E+00 | 6.53E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | 1,3-Dichloropropene | 2.26E-03 | 2.26E-03 | 2.26E-03 | 2.52E-03 | 2.52E-03 | 2.77E-03 | 2.77E-03 | 2.77E-03 | 0.00E+00 | 2.52E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Grant County | 27051 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 4.19E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Grant County | 27051 | R | Ethylene Oxide | 1.32E-04 | 1.32E-04 | 1.32E-04 | 1.47E-04 | 1.47E-04 | 1.63E-04 | 1.63E-04 | 1.63E-04 | 0.00E+00 | 1.47E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Formaldehyde | 3.20E-01 | 3.20E-01 | 3.20E-01 | 3.21E-01 | 3.21E-01 | 3.21E-01 | 3.21E-01 | 3.21E-01 | 1.48E-03 | 1.68E-03 | 1.78E-02 | 4.96E-02 | 2.50E-01 | 2.50E-01 |
| Minnesota | Grant County | 27051 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 1.11E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Grant County | 27051 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 6.46E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 1.80E-03 |
| Minnesota | Grant County | 27051 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Hydrazine | 6.74E-10 | 6.74E-10 | 6.74E-10 | 8.23E-10 | 8.23E-10 | 9.72E-10 | 9.72E-10 | 9.72E-10 | 0.00E+00 | 8.23E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Lead Compounds | 6.78E-05 | 6.78E-05 | 6.78E-05 | 8.23E-05 | 8.23E-05 | 9.68E-05 | 9.68E-05 | 9.68E-05 | 1.50E-05 | 4.22E-05 | 0.00E+00 | 2.50E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Manganese Compounds | 2.73E-06 | 2.73E-06 | 2.73E-06 | 3.48E-06 | 3.48E-06 | 4.24E-06 | 4.24E-06 | 4.24E-06 | 1.82E-09 | 2.59E-06 | 5.64E-07 | 3.24E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.65E-05 | 4.62E-07 | 3.58E-06 | 3.24E-06 | 0.00E+00 | 1.50E-03 |
| Minnesota | Grant County | 27051 | R | Methylene Chloride | 1.54E-01 | 1.54E-01 | 1.54E-01 | 1.54E-01 | 1.54E-01 | 1.54E-01 | 1.54E-01 | 1.54E-01 | 0.00E+00 | 4.17E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Grant County | 27051 | R | Nickel Compounds | 4.08E-06 | 4.08E-06 | 4.08E-06 | 5.48E-06 | 5.48E-06 | 6.89E-06 | 6.89E-06 | 6.89E-06 | 5.06E-07 | 3.10E-06 | 1.35E-06 | 5.32E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Grant County | 27051 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 0.00E+00 | 6.78E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Grant County | 27051 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.85E-04 | 3.86E-04 | 3.86E-04 | 3.87E-04 | 3.87E-04 | 3.87E-04 | 0.00E+00 | 5.79E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Grant County | 27051 | | | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Hennepin County | 27053 | U | Benzene | 1.27E+00 | 1.47E+00 | 1.81E+00 | 2.08E+00 | 2.22E+00 | 2.45E+00 | 2.98E+00 | 3.49E+00 | 3.83E-02 | 3.17E-01 | 1.21E+00 | 1.72E-01 | 4.80E-01 | |
| Minnesota | Hennepin County | 27053 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Beryllium Compounds | 5.20E-06 | 5.70E-06 | 7.72E-06 | 9.27E-06 | 1.13E-05 | 1.26E-05 | 1.87E-05 | 2.54E-05 | 9.12E-07 | 9.26E-06 | 0.00E+00 | 1.15E-06 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | 1,3-Butadiene | 2.54E-02 | 3.43E-02 | 5.26E-02 | 7.59E-02 | 9.48E-02 | 1.08E-01 | 1.70E-01 | 2.16E-01 | 1.07E-03 | 2.31E-04 | 7.39E-02 | 1.96E-02 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Cadmium Compounds | 2.32E-05 | 2.82E-05 | 4.20E-05 | 6.47E-05 | 1.44E-04 | 1.26E-04 | 2.84E-04 | 5.09E-04 | 1.26E-04 | 1.67E-05 | 0.00E+00 | 1.41E-06 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Carbon Disulfide | 4.92E-02 | 5.00E-02 | 5.13E-02 | 5.30E-02 | 5.40E-02 | 5.54E-02 | 5.83E-02 | 6.18E-02 | 1.68E-03 | 5.29E-03 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Hennepin County | 27053 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.42E-08 | 6.88E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Hennepin County | 27053 | U | Chloroform | 1.33E-01 | 1.47E-01 | 1.67E-01 | 1.87E-01 | 1.97E-01 | 2.23E-01 | 2.62E-01 | 2.89E-01 | 2.92E-04 | 1.14E-01 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Hennepin County | 27053 | U | Chromium Compounds (includes Hexavalent) | 4.22E-04 | 5.33E-04 | 8.27E-04 | 1.46E-03 | 2.81E-03 | 2.71E-03 | 4.76E-03 | 8.43E-03 | 1.32E-04 | 2.59E-03 | 8.56E-05 | 4.34E-06 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Chromium VI | 1.32E-04 | 1.66E-04 | 2.56E-04 | 4.51E-04 | 8.27E-04 | 8.38E-04 | 1.35E-03 | 2.30E-03 | 7.18E-05 | 7.20E-04 | 3.42E-05 | 1.48E-06 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | 1,4-Dichlorobenzene | 2.76E-02 | 3.45E-02 | 4.38E-02 | 5.41E-02 | 5.97E-02 | 7.27E-02 | 9.37E-02 | 1.09E-01 | 0.00E+00 | 5.97E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | 1,3-Dichloropropene | 1.07E-01 | 1.35E-01 | 1.73E-01 | 2.14E-01 | 2.37E-01 | 2.89E-01 | 3.75E-01 | 4.37E-01 | 0.00E+00 | 2.37E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Ethylene Dichloride | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.60E-07 | 8.29E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Hennepin County | 27053 | U | Ethylene Dibromide | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 5.61E-06 | 6.20E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Hennepin County | 27053 | U | Ethylene Oxide | 6.68E-03 | 8.43E-03 | 1.16E-02 | 1.43E-02 | 1.57E-02 | 1.84E-02 | 2.38E-02 | 2.90E-02 | 0.00E+00 | 1.57E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Formaldehyde | 7.23E-01 | 8.23E-01 | 1.05E+00 | 1.25E+00 | 1.31E+00 | 1.45E+00 | 1.79E+00 | 2.05E+00 | 2.53E-02 | 4.80E-02 | 6.75E-01 | 3.14E-01 | 2.50E-01 | |
| Minnesota | Hennepin County | 27053 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.41E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Hennepin County | 27053 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.94E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Hennepin County | 27053 | U | Hexamethylene Diisocyanate | 8.48E-05 | 9.87E-05 | 1.49E-04 | 2.09E-04 | 2.95E-04 | 2.72E-04 | 4.83E-04 | 7.34E-04 | 7.53E-05 | 2.20E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Hydrazine | 2.28E-08 | 3.53E-08 | 5.93E-08 | 9.05E-08 | 1.87E-07 | 1.88E-07 | 4.70E-07 | 7.22E-07 | 4.42E-09 | 1.83E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Lead Compounds | 3.35E-03 | 4.28E-03 | 6.80E-03 | 8.93E-03 | 1.00E-02 | 1.24E-02 | 1.61E-02 | 1.98E-02 | 4.69E-03 | 5.25E-03 | 0.00E+00 | 2.82E-03 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Manganese Compounds | 3.41E-04 | 4.05E-04 | 5.67E-04 | 8.17E-04 | 9.25E-04 | 1.15E-03 | 1.61E-03 | 1.92E-03 | 1.41E-04 | 7.51E-04 | 2.75E-05 | 5.27E-06 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Mercury Compounds | 1.58E-03 | 1.60E-03 | 1.63E-03 | 1.66E-03 | 1.68E-03 | 1.70E-03 | 1.76E-03 | 1.83E-03 | 3.05E-05 | 3.59E-05 | 9.06E-05 | 2.40E-05 | 1.50E-03 | |
| Minnesota | Hennepin County | 27053 | U | Methylene Chloride | 2.99E-01 | 3.40E-01 | 4.15E-01 | 4.87E-01 | 5.46E-01 | 6.24E-01 | 7.71E-01 | 9.01E-01 | 4.27E-03 | 3.92E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Hennepin County | 27053 | U | Nickel Compounds | 3.18E-04 | 4.05E-04 | 6.97E-04 | 1.07E-03 | 1.32E-03 | 1.64E-03 | 2.32E-03 | 2.70E-03 | 3.87E-04 | 8.10E-04 | 6.33E-05 | 5.84E-05 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Perchloroethylene | 1.81E-01 | 1.92E-01 | 2.15E-01 | 2.36E-01 | 2.40E-01 | 2.59E-01 | 2.90E-01 | 3.05E-01 | 4.94E-03 | 9.48E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Hennepin County | 27053 | U | Polychlorinated Biphenyls | 3.91E-04 | 3.91E-04 | 3.92E-04 | 3.93E-04 | 3.93E-04 | 3.94E-04 | 3.97E-04 | 3.99E-04 | 7.32E-09 | 1.35E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Hennepin County | 27053 | U | Polycyclic Organic Matter | 8.09E-02 | 9.27E-02 | 1.19E-01 | 1.54E-01 | 1.85E-01 | 2.16E-01 | 2.80E-01 | 3.46E-01 | 3.44E-02 | 1.20E-01 | 2.28E-02 | 8.31E-03 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | 7-PAH | 1.20E-03 | 1.35E-03 | 1.79E-03 | 2.33E-03 | 2.92E-03 | 3.00E-03 | 4.55E-03 | 6.66E-03 | 2.78E-05 | 2.70E-03 | 1.51E-04 | 4.63E-05 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Propylene Dichloride | 5.03E-06 | 6.52E-06 | 9.37E-06 | 1.20E-05 | 1.50E-05 | 1.67E-05 | 2.52E-05 | 3.41E-05 | 0.00E+00 | 1.50E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Quinoline | 2.69E-07 | 3.57E-07 | 4.73E-07 | 6.09E-07 | 8.56E-07 | 9.94E-07 | 1.74E-06 | 2.34E-06 | 0.00E+00 | 8.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | 1,1,2,2-Tetrachloroethane | 2.27E-05 | 2.49E-05 | 3.20E-05 | 3.75E-05 | 3.68E-05 | 4.28E-05 | 4.61E-05 | 4.79E-05 | 7.70E-06 | 2.91E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Hennepin County | 27053 | U | Trichloroethylene | 1.16E-01 | 1.25E-01 | 1.54E-01 | 1.91E-01 | 2.24E-01 | 2.54E-01 | 3.54E-01 | 4.88E-01 | 6.33E-02 | 7.94E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Hennepin County | 27053 | U | Vinyl Chloride | 1.62E-04 | 1.77E-04 | 2.55E-04 | 3.12E-04 | 3.12E-04 | 3.69E-04 | 4.16E-04 | 4.54E-04 | 4.54E-04 | 4.54E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Acetaldehyde | 4.49E-02 | 4.49E-02 | 6.50E-02 | 7.30E-02 | 1.14E-01 | 1.14E-01 | 2.71E-01 | 2.71E-01 | 2.43E-06 | 2.09E-02 | 7.23E-02 | 2.04E-02 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Acrolein | 4.82E-03 | 4.82E-03 | 5.80E-03 | 7.06E-03 | 7.92E-03 | 7.35E-03 | 1.46E-02 | 1.46E-02 | 6.39E-07 | 2.24E-03 | 4.16E-03 | 1.51E-03 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Acrylonitrile | 2.00E-05 | 2.00E-05 | 2.63E-05 | 3.24E-05 | 4.08E-05 | 5.33E-05 | 7.18E-05 | 7.18E-05 | 0.00E+00 | 4.08E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Arsenic Compounds | 6.08E-06 | 6.08E-06 | 6.82E-06 | 9.83E-06 | 1.33E-05 | 1.54E-05 | 2.85E-05 | 2.85E-05 | 1.57E-06 | 1.41E-06 | 6.18E-06 | 4.18E-06 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Benzene | 5.24E-01 | 5.24E-01 | 5.33E-01 | 5.52E-01 | 5.84E-01 | 5.88E-01 | 7.22E-01 | 7.22E-01 | 6.23E-06 | 3.19E-02 | 5.45E-02 | 1.72E-02 | 4.80E-01 | |
| Minnesota | Houston County | 27055 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Beryllium Compounds | 3.77E-07 | 3.77E-07 | 3.86E-07 | 7.03E-07 | 1.50E-06 | 9.32E-07 | 5.10E-06 | 5.10E-06 | 5.46E-08 | 5.94E-07 | 0.00E+00 | 8.51E-07 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | 1,3-Butadiene | 2.09E-03 | 2.09E-03 | 2.58E-03 | 2.97E-03 | 6.21E-03 | 7.25E-03 | 1.62E-02 | 1.62E-02 | 0.00E+00 | 6.62E-04 | 4.11E-03 | 1.44E-03 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Cadmium Compounds | 1.17E-06 | 1.17E-06 | 1.32E-06 | 1.79E-06 | 3.40E-06 | 2.98E-06 | 9.74E-06 | 9.74E-06 | 1.17E-06 | 1.31E-06 | 0.00E+00 | 9.22E-07 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.73E-02 | 4.73E-02 | 3.64E-07 | 1.55E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Houston County | 27055 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 3.54E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Houston County | 27055 | R | Chloroform | 8.35E-02 | 8.35E-02 | 8.38E-02 | 8.39E-02 | 8.41E-02 | 8.40E-02 | 8.53E-02 | 8.53E-02 | 0.00E+00 | 1.10E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Houston County | 27055 | R | Chromium Compounds (includes Hexavalent) | 3.45E-06 | 3.45E-06 | 4.92E-06 | 7.57E-06 | 8.43E-06 | 8.18E-06 | 1.80E-05 | 1.80E-05 | 1.02E-06 | 2.86E-06 | 3.93E-06 | 6.15E-07 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Chromium VI | 1.10E-06 | 1.10E-06 | 1.27E-06 | 2.15E-06 | 2.75E-06 | 2.67E-06 | 6.59E-06 | 6.59E-06 | 9.56E-08 | 8.52E-07 | 1.60E-06 | 2.09E-07 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | 1,4-Dichlorobenzene | 8.75E-04 | 8.75E-04 | 1.04E-03 | 1.49E-03 | 2.96E-03 | 3.31E-03 | 8.07E-03 | 8.07E-03 | 0.00E+00 | 2.96E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | 1,3-Dichloropropene | 3.08E-03 | 3.08E-03 | 3.95E-03 | 5.78E-03 | 1.17E-02 | 1.31E-02 | 3.27E-02 | 3.27E-02 | 0.00E+00 | 1.17E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 5.74E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Houston County | 27055 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.12E-07 | 1.34E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Houston County | 27055 | R | Ethylene Oxide | 1.56E-04 | 1.56E-04 | 2.19E-04 | 3.17E-04 | 6.21E-04 | 7.56E-04 | 1.66E-03 | 1.66E-03 | 0.00E+00 | 6.21E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Houston County | 27055 | R | Formaldehyde | 2.91E-01 | 2.91E-01 | 3.01E-01 | 3.10E-01 | 3.33E-01 | 3.31E-01 | 4.34E-01 | 4.34E-01 | 1.18E-04 | 9.31E-03 | 3.81E-02 | 3.58E-02 | 2.50E-01 | |
| Minnesota | Houston County | 27055 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.3 | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | Contribution to Average from ... | | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Houston County | 27055 | R | Nickel Compounds | 2.07E-05 | 2.07E-05 | 2.37E-05 | 3.34E-05 | 6.08E-05 | 6.24E-05 | 1.64E-04 | 1.64E-04 | 1.29E-06 | 3.89E-05 | 2.94E-06 | 1.76E-05 | 0.00E+00 |
| Minnesota | Houston County | 27055 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.45E-01 | 1.44E-01 | 1.54E-01 | 1.54E-01 | 1.12E-07 | 4.85E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Houston County | 27055 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.86E-04 | 3.88E-04 | 4.02E-04 | 4.01E-04 | 4.51E-04 | 4.51E-04 | 0.00E+00 | 2.22E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Houston County | 27055 | R | Polycyclic Organic Matter | 3.76E-03 | 3.76E-03 | 5.33E-03 | 9.00E-03 | 1.08E-02 | 9.60E-03 | 2.64E-02 | 2.64E-02 | 5.76E-08 | 9.09E-03 | 1.28E-03 | 4.43E-04 | 0.00E+00 |
| Minnesota | Houston County | 27055 | R | 7-PAH | 2.05E-04 | 2.05E-04 | 2.92E-04 | 3.58E-04 | 4.73E-04 | 4.67E-04 | 1.04E-03 | 1.04E-03 | 3.82E-08 | 4.56E-04 | 9.48E-06 | 7.17E-06 | 0.00E+00 |
| Minnesota | Houston County | 27055 | R | Propylene Dichloride | 5.19E-07 | 5.19E-07 | 6.29E-07 | 8.14E-07 | 9.21E-07 | 1.08E-06 | 1.56E-06 | 1.56E-06 | 0.00E+00 | 9.21E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Houston County | 27055 | R | Quinoline | 1.80E-09 | 1.80E-09 | 9.01E-09 | 1.26E-08 | 1.62E-08 | 2.74E-08 | 3.04E-08 | 3.04E-08 | 0.00E+00 | 1.62E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Houston County | 27055 | R | 1,1,2,2-Tetrachloroethane | 6.22E-06 | 6.22E-06 | 1.04E-05 | 1.18E-05 | 1.32E-05 | 1.58E-05 | 2.16E-05 | 2.16E-05 | 0.00E+00 | 1.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Houston County | 27055 | R | Trichloroethylene | 8.14E-02 | 8.14E-02 | 8.15E-02 | 8.16E-02 | 8.22E-02 | 8.25E-02 | 8.40E-02 | 8.40E-02 | 0.00E+00 | 1.20E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Houston County | 27055 | R | Vinyl Chloride | 6.12E-05 | 6.12E-05 | 7.13E-05 | 8.43E-05 | 1.52E-04 | 2.28E-04 | 3.18E-04 | 3.18E-04 | 0.00E+00 | 1.52E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Acetaldehyde | 3.14E-02 | 3.14E-02 | 3.98E-02 | 4.81E-02 | 6.33E-02 | 9.73E-02 | 9.74E-02 | 9.74E-02 | 9.69E-03 | 4.46E-03 | 4.31E-02 | 5.96E-03 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Acrolein | 7.49E-03 | 7.49E-03 | 8.64E-03 | 1.16E-02 | 1.16E-02 | 1.23E-02 | 1.87E-02 | 1.87E-02 | 2.14E-03 | 5.27E-03 | 2.34E-03 | 1.84E-03 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Acrylonitrile | 1.12E-05 | 1.12E-05 | 1.60E-05 | 3.01E-05 | 9.11E-05 | 2.55E-04 | 2.56E-04 | 2.56E-04 | 0.00E+00 | 9.11E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Arsenic Compounds | 3.16E-06 | 3.16E-06 | 3.51E-06 | 3.65E-06 | 1.51E-05 | 4.35E-05 | 4.37E-05 | 4.37E-05 | 1.36E-07 | 8.48E-06 | 4.76E-06 | 1.75E-06 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Benzene | 5.38E-01 | 5.38E-01 | 5.42E-01 | 5.48E-01 | 6.05E-01 | 7.56E-01 | 7.56E-01 | 7.58E-01 | 1.81E-04 | 5.78E-02 | 3.65E-02 | 3.08E-02 | 4.80E-01 |
| Minnesota | Hubbard County | 27057 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Beryllium Compounds | 1.14E-07 | 1.14E-07 | 1.19E-07 | 1.82E-07 | 6.83E-07 | 2.00E-06 | 2.02E-06 | 2.02E-06 | 4.79E-11 | 6.54E-07 | 0.00E+00 | 2.87E-08 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | 1,3-Butadiene | 2.99E-03 | 2.99E-03 | 3.37E-03 | 3.76E-03 | 6.79E-03 | 1.51E-02 | 1.51E-02 | 1.51E-02 | 0.00E+00 | 1.38E-03 | 3.35E-03 | 2.06E-03 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Cadmium Compounds | 4.17E-07 | 4.17E-07 | 5.36E-07 | 7.07E-07 | 3.30E-06 | 9.39E-06 | 1.05E-05 | 1.05E-05 | 3.66E-08 | 3.24E-06 | 0.00E+00 | 2.85E-08 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.72E-02 | 4.78E-02 | 4.78E-02 | 4.78E-02 | 0.00E+00 | 2.47E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Hubbard County | 27057 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 6.27E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Hubbard County | 27057 | R | Chloroform | 8.34E-02 | 8.34E-02 | 8.35E-02 | 8.36E-02 | 8.46E-02 | 8.74E-02 | 8.74E-02 | 8.74E-02 | 0.00E+00 | 1.64E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Hubbard County | 27057 | R | Chromium Compounds (includes Hexavalent) | 2.62E-06 | 2.62E-06 | 3.02E-06 | 3.39E-06 | 1.81E-05 | 5.45E-05 | 5.59E-05 | 5.59E-05 | 2.87E-07 | 1.48E-05 | 2.74E-06 | 2.80E-07 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Chromium VI | 1.21E-06 | 1.21E-06 | 1.39E-06 | 1.65E-06 | 9.56E-06 | 2.92E-05 | 3.00E-05 | 3.00E-05 | 1.50E-07 | 8.21E-06 | 1.11E-06 | 9.53E-08 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | 1,4-Dichlorobenzene | 6.59E-04 | 6.59E-04 | 6.66E-04 | 8.02E-04 | 2.40E-03 | 6.41E-03 | 6.41E-03 | 6.41E-03 | 0.00E+00 | 2.40E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | 1,3-Dichloropropene | 2.55E-03 | 2.55E-03 | 2.56E-03 | 3.38E-03 | 9.62E-03 | 2.60E-02 | 2.60E-02 | 2.60E-02 | 0.00E+00 | 9.62E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 4.01E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Hubbard County | 27057 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 6.10E-02 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Hubbard County | 27057 | R | Ethylene Oxide | 1.36E-04 | 1.36E-04 | 1.45E-04 | 1.82E-04 | 7.09E-04 | 2.06E-03 | 2.07E-03 | 2.07E-03 | 0.00E+00 | 7.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Formaldehyde | 2.88E-01 | 2.88E-01 | 2.93E-01 | 3.01E-01 | 3.15E-01 | 3.51E-01 | 3.52E-01 | 3.52E-01 | 5.69E-03 | 2.11E-02 | 2.44E-02 | 1.37E-02 | 2.50E-01 |
| Minnesota | Hubbard County | 27057 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.34E-05 | 9.41E-05 | 9.41E-05 | 9.41E-05 | 0.00E+00 | 3.70E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Hubbard County | 27057 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.80E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Hubbard County | 27057 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 1.67E-16 | 2.45E-15 | 3.02E-13 | 6.20E-13 | 8.68E-13 | 8.68E-13 | 0.00E+00 | 3.02E-13 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Lead Compounds | 1.38E-05 | 1.38E-05 | 1.96E-05 | 5.00E-05 | 2.62E-04 | 6.43E-04 | 9.97E-04 | 9.97E-04 | 1.18E-06 | 6.42E-05 | 0.00E+00 | 1.97E-04 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Manganese Compounds | 7.64E-05 | 7.64E-05 | 9.10E-05 | 1.36E-04 | 1.07E-03 | 3.43E-03 | 3.43E-03 | 3.43E-03 | 2.11E-05 | 1.04E-03 | 9.18E-07 | 1.98E-07 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.52E-03 | 1.56E-03 | 1.56E-03 | 1.56E-03 | 1.06E-08 | 1.34E-05 | 5.73E-06 | 1.37E-06 | 1.50E-03 |
| Minnesota | Hubbard County | 27057 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.54E-01 | 1.72E-01 | 2.18E-01 | 2.18E-01 | 2.18E-01 | 0.00E+00 | 2.23E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Hubbard County | 27057 | R | Nickel Compounds | 2.93E-06 | 2.93E-06 | 3.16E-06 | 5.09E-06 | 3.95E-05 | 1.26E-04 | 1.28E-04 | 1.28E-04 | 5.73E-08 | 3.70E-05 | 2.04E-06 | 3.39E-07 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.44E-01 | 1.50E-01 | 1.50E-01 | 1.50E-01 | 0.00E+00 | 3.87E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Hubbard County | 27057 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.85E-04 | 3.86E-04 | 4.22E-04 | 5.11E-04 | 5.11E-04 | 5.11E-04 | 0.00E+00 | 4.20E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Hubbard County | 27057 | R | Polycyclic Organic Matter | 3.88E-03 | 3.88E-03 | 4.04E-03 | 5.11E-03 | 9.85E-03 | 2.29E-02 | 2.32E-02 | 2.32E-02 | 6.74E-05 | 8.65E-03 | 8.30E-04 | 3.00E-04 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | 7-PAH | 3.30E-04 | 3.30E-04 | 3.45E-04 | 4.07E-04 | 5.85E-04 | 1.13E-03 | 1.13E-03 | 1.13E-03 | 2.31E-08 | 5.72E-04 | 6.55E-06 | 6.57E-06 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Propylene Dichloride | 6.22E-08 | 6.22E-08 | 6.66E-08 | 6.96E-08 | 6.31E-07 | 2.03E-06 | 2.03E-06 | 2.03E-06 | 0.00E+00 | 6.31E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Quinoline | 0.00E+00 | 0.00E+00 | 8.18E-15 | 8.06E-14 | 9.78E-12 | 2.05E-11 | 2.75E-11 | 2.75E-11 | 0.00E+00 | 9.78E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | 1,1,2,2-Tetrachloroethane | 2.88E-06 | 2.88E-06 | 4.03E-06 | 8.92E-06 | 2.25E-05 | 6.03E-05 | 6.06E-05 | 6.06E-05 | 0.00E+00 | 2.25E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Hubbard County | 27057 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.13E-02 | 8.41E-02 | 9.10E-02 | 9.10E-02 | 9.10E-02 | 0.00E+00 | 3.06E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Hubbard County | 27057 | R | Vinyl Chloride | 1.06E-05 | 1.06E-05 | 1.33E-05 | 2.61E-05 | 4.93E-05 | 1.21E-04 | 1.21E-04 | 1.21E-04 | 0.00E+00 | 4.93E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Acetaldehyde | 7.73E-02 | 7.73E-02 | 1.18E-01 | 1.81E-01 | 1.66E-01 | 2.00E-01 | 2.38E-01 | 2.38E-01 | 1.01E-05 | 3.45E-02 | 1.18E-01 | 1.30E-02 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Acrolein | 8.92E-03 | 8.92E-03 | 1.18E-02 | 1.65E-02 | 1.55E-02 | 1.94E-02 | 1.98E-02 | 1.98E-02 | 1.16E-06 | 2.83E-03 | 1.08E-02 | 1.90E-03 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Acrylonitrile | 5.70E-05 | 5.70E-05 | 7.94E-05 | 9.29E-05 | 9.70E-05 | 1.21E-04 | 1.39E-04 | 1.39E-04 | 0.00E+00 | 9.70E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Arsenic Compounds | 9.33E-06 | 9.33E-06 | 1.31E-05 | 1.87E-05 | 1.66E-05 | 1.89E-05 | 2.08E-05 | 2.08E-05 | 3.52E-07 | 1.70E-06 | 1.12E-05 | 3.31E-06 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Benzene | 6.63E-01 | 6.63E-01 | 6.67E-01 | 7.76E-01 | 7.50E-01 | 7.92E-01 | 8.26E-01 | 8.26E-01 | 6.54E-02 | 7.60E-02 | 1.10E-01 | 1.84E-02 | 4.80E-01 |
| Minnesota | Isanti County | 27059 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Beryllium Compounds | 6.66E-07 | 6.66E-07 | 1.16E-06 | 1.42E-06 | 1.45E-06 | 1.91E-06 | 2.15E-06 | 2.15E-06 | 1.81E-08 | 8.70E-07 | 0.00E+00 | 5.67E-07 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | 1,3-Butadiene | 3.31E-03 | 3.31E-03 | 5.31E-03 | 5.63E-03 | 5.75E-03 | 6.60E-03 | 8.03E-03 | 8.03E-03 | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|---------------|-------|----------------|--|--|----------|----------|----------|----------|------------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Isanti County | 27059 | U | 1,4-Dichlorobenzene | 2.95E-03 | 2.95E-03 | 3.60E-03 | 6.39E-03 | 6.01E-03 | 8.23E-03 | 8.49E-03 | 8.49E-03 | 0.00E+00 | 6.01E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | 1,3-Dichloropropene | 1.13E-02 | 1.13E-02 | 1.41E-02 | 2.41E-02 | 2.31E-02 | 3.15E-02 | 3.34E-02 | 3.34E-02 | 0.00E+00 | 2.31E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 6.16E-09 | 2.17E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Isanti County | 27059 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 2.05E-07 | 2.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Isanti County | 27059 | U | Ethylene Oxide | 6.36E-04 | 6.36E-04 | 8.00E-04 | 1.73E-03 | 1.57E-03 | 2.08E-03 | 2.43E-03 | 2.43E-03 | 0.00E+00 | 1.57E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Formaldehyde | 3.13E-01 | 3.13E-01 | 3.35E-01 | 3.76E-01 | 3.64E-01 | 3.85E-01 | 3.98E-01 | 3.98E-01 | 6.76E-05 | 1.17E-02 | 7.64E-02 | 2.55E-02 | 2.50E-01 | |
| Minnesota | Isanti County | 27059 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.34E-05 | 9.39E-05 | 9.39E-05 | 0.00E+00 | 3.66E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Isanti County | 27059 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Isanti County | 27059 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.94E-07 | 6.94E-07 | 1.52E-06 | 2.06E-06 | 2.06E-06 | 5.76E-08 | 6.37E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Hydrazine | 1.20E-10 | 1.20E-10 | 4.46E-10 | 1.32E-09 | 2.12E-09 | 3.20E-09 | 6.34E-09 | 6.34E-09 | 0.00E+00 | 2.12E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Lead Compounds | 8.83E-05 | 8.83E-05 | 1.60E-04 | 2.36E-04 | 3.92E-04 | 3.11E-04 | 1.32E-03 | 1.32E-03 | 6.87E-06 | 2.94E-05 | 0.00E+00 | 3.55E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Manganese Compounds | 8.98E-05 | 8.98E-05 | 9.23E-05 | 1.56E-04 | 2.22E-04 | 2.02E-04 | 6.35E-04 | 6.35E-04 | 2.02E-05 | 1.99E-04 | 2.28E-06 | 4.46E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 5.30E-07 | 2.12E-06 | 1.28E-05 | 3.43E-06 | 1.50E-03 | |
| Minnesota | Isanti County | 27059 | U | Methylene Chloride | 1.63E-01 | 1.63E-01 | 1.73E-01 | 1.74E-01 | 1.79E-01 | 1.83E-01 | 2.04E-01 | 2.04E-01 | 3.20E-05 | 2.86E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Isanti County | 27059 | U | Nickel Compounds | 5.90E-05 | 5.90E-05 | 7.86E-05 | 1.10E-04 | 1.11E-04 | 1.53E-04 | 1.57E-04 | 1.57E-04 | 5.20E-05 | 5.15E-05 | 5.55E-06 | 2.34E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Perchloroethylene | 1.43E-01 | 1.43E-01 | 1.44E-01 | 1.47E-01 | 1.46E-01 | 1.48E-01 | 1.49E-01 | 1.49E-01 | 2.66E-05 | 6.03E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Isanti County | 27059 | U | Polychlorinated Biphenyls | 3.97E-04 | 3.97E-04 | 3.98E-04 | 4.12E-04 | 4.19E-04 | 4.21E-04 | 4.78E-04 | 4.78E-04 | 7.52E-09 | 3.95E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Isanti County | 27059 | U | Polycyclic Organic Matter | 1.12E-02 | 1.12E-02 | 1.41E-02 | 2.31E-02 | 2.02E-02 | 2.36E-02 | 2.62E-02 | 2.62E-02 | 1.80E-04 | 1.75E-02 | 2.12E-03 | 4.03E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | 7-PAH | 5.14E-04 | 5.14E-04 | 6.96E-04 | 8.94E-04 | 8.26E-04 | 9.61E-04 | 9.99E-04 | 9.99E-04 | 6.61E-09 | 8.04E-04 | 1.62E-05 | 5.90E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Propylene Dichloride | 2.97E-07 | 2.97E-07 | 5.30E-07 | 7.45E-07 | 8.32E-07 | 8.32E-07 | 1.85E-06 | 1.85E-06 | 0.00E+00 | 8.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Quinoline | 1.98E-09 | 1.98E-09 | 3.63E-09 | 3.05E-08 | 2.33E-08 | 3.28E-08 | 4.02E-08 | 4.02E-08 | 0.00E+00 | 2.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | 1,1,2,2-Tetrachloroethane | 1.54E-05 | 1.54E-05 | 2.00E-05 | 2.54E-05 | 2.46E-05 | 2.75E-05 | 3.37E-05 | 3.37E-05 | 0.00E+00 | 2.46E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Isanti County | 27059 | U | Trichloroethylene | 8.20E-02 | 8.20E-02 | 8.27E-02 | 8.49E-02 | 8.60E-02 | 8.94E-02 | 9.19E-02 | 9.19E-02 | 2.08E-03 | 2.89E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Isanti County | 27059 | U | Vinyl Chloride | 8.58E-05 | 8.58E-05 | 9.32E-05 | 1.36E-04 | 1.95E-04 | 1.91E-04 | 5.29E-04 | 5.29E-04 | 7.45E-07 | 1.94E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Acetaldehyde | 2.53E-02 | 3.39E-02 | 4.60E-02 | 5.61E-02 | 6.61E-02 | 6.45E-02 | 1.30E-01 | 1.64E-01 | 1.83E-03 | 8.05E-03 | 4.19E-02 | 1.44E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Acrolein | 7.66E-03 | 7.69E-03 | 8.08E-03 | 8.75E-03 | 9.89E-03 | 9.53E-03 | 1.55E-02 | 1.74E-02 | 3.30E-04 | 6.18E-03 | 2.16E-03 | 1.22E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Acrylonitrile | 6.19E-07 | 1.83E-06 | 7.64E-06 | 1.13E-05 | 2.28E-05 | 3.63E-05 | 6.79E-05 | 8.75E-05 | 0.00E+00 | 2.28E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Arsenic Compounds | 1.21E-04 | 1.24E-04 | 1.32E-04 | 2.80E-04 | 4.44E-04 | 7.13E-04 | 1.15E-03 | 1.42E-03 | 4.36E-04 | 2.71E-06 | 3.97E-06 | 1.28E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Benzene | 5.16E-01 | 5.23E-01 | 5.31E-01 | 5.45E-01 | 5.67E-01 | 5.53E-01 | 6.84E-01 | 7.33E-01 | 7.04E-04 | 3.74E-02 | 2.96E-02 | 1.97E-02 | 4.80E-01 | |
| Minnesota | Itasca County | 27061 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Beryllium Compounds | 7.97E-07 | 8.09E-07 | 8.31E-07 | 1.85E-06 | 2.54E-06 | 3.37E-06 | 6.30E-06 | 7.19E-06 | 2.19E-06 | 2.85E-07 | 0.00E+00 | 6.97E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | 1,3-Butadiene | 2.73E-03 | 2.79E-03 | 3.08E-03 | 3.51E-03 | 3.55E-03 | 3.82E-03 | 1.35E-02 | 1.72E-02 | 0.00E+00 | 1.85E-03 | 2.46E-03 | 1.04E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Cadmium Compounds | 6.38E-07 | 9.67E-07 | 2.07E-06 | 2.86E-06 | 4.15E-06 | 7.49E-06 | 8.95E-06 | 9.26E-06 | 2.95E-06 | 1.03E-06 | 0.00E+00 | 1.73E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.73E-02 | 4.75E-02 | 2.43E-06 | 9.27E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Itasca County | 27061 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 6.06E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Itasca County | 27061 | R | Chloroform | 8.33E-02 | 8.35E-02 | 8.37E-02 | 8.45E-02 | 8.54E-02 | 8.47E-02 | 9.06E-02 | 9.30E-02 | 1.08E-06 | 2.44E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Itasca County | 27061 | R | Chromium Compounds (includes Hexavalent) | 4.91E-05 | 5.05E-05 | 5.69E-05 | 1.19E-04 | 1.51E-04 | 2.31E-04 | 3.43E-04 | 4.26E-04 | 1.44E-04 | 4.36E-06 | 2.36E-06 | 5.58E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Chromium VI | 1.74E-05 | 1.83E-05 | 2.05E-05 | 4.41E-05 | 5.33E-05 | 7.89E-05 | 1.15E-04 | 1.44E-04 | 4.98E-05 | 2.40E-06 | 9.38E-07 | 1.90E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | 1,4-Dichlorobenzene | 2.25E-04 | 3.54E-04 | 5.16E-04 | 1.09E-03 | 1.73E-03 | 1.27E-03 | 5.28E-03 | 6.92E-03 | 0.00E+00 | 1.73E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | 1,3-Dichloropropene | 8.79E-04 | 1.36E-03 | 1.97E-03 | 4.34E-03 | 6.95E-03 | 5.08E-03 | 2.14E-02 | 2.81E-02 | 0.00E+00 | 6.95E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.20E-08 | 2.26E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Itasca County | 27061 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 7.46E-07 | 5.51E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Itasca County | 27061 | R | Ethylene Oxide | 4.90E-05 | 7.55E-05 | 1.10E-04 | 2.39E-04 | 3.97E-04 | 2.76E-04 | 1.25E-03 | 1.70E-03 | 0.00E+00 | 3.97E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Formaldehyde | 2.92E-01 | 2.98E-01 | 3.06E-01 | 3.13E-01 | 3.26E-01 | 3.21E-01 | 3.95E-01 | 4.19E-01 | 1.02E-02 | 2.63E-02 | 2.16E-02 | 1.83E-02 | 2.50E-01 | |
| Minnesota | Itasca County | 27061 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.32E-05 | 9.31E-05 | 9.35E-05 | 9.37E-05 | 0.00E+00 | 1.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Itasca County | 27061 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.38E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Itasca County | 27061 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.92E-12 | 8.26E-11 | 5.96E-11 | 3.63E-10 | 6.40E-10 | 0.00E+00 | 8.26E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Lead Compounds | 1.05E-05 | 1.93E-05 | 3.99E-05 | 5.38E-05 | 1.30E-04 | 1.71E-04 | 4.14E-04 | 4.10E-05 | 2.68E-05 | 0.00E+00 | 6.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Manganese Compounds | 5.46E-04 | 5.92E-04 | 9.65E-04 | 1.65E-03 | 2.28E-03 | 3.42E-03 | 4.80E-03 | 5.66E-03 | 1.96E-03 | 3.19E-04 | 7.86E-07 | 1.09E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Itasca County | 27061 | R | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.54E-03 | 1.56E-03 | 1.59E-03 | 1.59E-03 | 3.39E-05 | 8.62E-07 | 4.67E-06 | 1.44E-06 | 1.50E-03 | |
| Minnesota | Itasca County | 27061 | R | Methylene Chloride | 1.51E-01 | 1.52E-01 | 1.53E-01 | 1.55E-01 | 1.60E-01 | 1.57E-01 | 1.86E-01 | 1.98E-01 | 7.85E-06 | 1.05E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Itasca County | 27061 | R | Nickel Compounds | 3.96E-05 | 4.41E-05 | 5.27E-05 | 8.20E-05 | 1.01E-04 | 1.59E-04</ | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Kanabec County | 27065 | R | Manganese Compounds | 1.31E-05 | 1.31E-05 | 2.45E-05 | 3.60E-05 | 3.11E-05 | 3.76E-05 | 3.91E-05 | 3.91E-05 | 1.93E-06 | 2.74E-05 | 1.48E-06 | 2.51E-07 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 8.21E-09 | 1.04E-06 | 9.25E-06 | 2.33E-06 | 1.50E-03 | |
| Minnesota | Kanabec County | 27065 | R | Methylene Chloride | 1.57E-01 | 1.57E-01 | 1.63E-01 | 1.72E-01 | 2.38E-01 | 3.14E-01 | 4.51E-01 | 4.51E-01 | 0.00E+00 | 8.84E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Kanabec County | 27065 | R | Nickel Compounds | 6.14E-06 | 6.14E-06 | 1.05E-05 | 1.65E-05 | 3.55E-05 | 6.04E-05 | 1.03E-04 | 1.03E-04 | 4.93E-07 | 3.11E-05 | 3.39E-06 | 4.54E-07 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.44E-01 | 1.46E-01 | 1.49E-01 | 1.49E-01 | 7.07E-06 | 3.76E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Kanabec County | 27065 | R | Polychlorinated Biphenyls | 3.88E-04 | 3.88E-04 | 3.92E-04 | 3.98E-04 | 4.33E-04 | 4.74E-04 | 5.48E-04 | 5.48E-04 | 0.00E+00 | 5.31E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Kanabec County | 27065 | R | Polycyclic Organic Matter | 5.75E-03 | 5.75E-03 | 6.38E-03 | 8.42E-03 | 1.16E-02 | 1.69E-02 | 2.39E-02 | 2.39E-02 | 1.89E-05 | 1.00E-02 | 1.35E-03 | 2.55E-04 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | 7-PAH | 3.97E-04 | 3.97E-04 | 3.99E-04 | 4.51E-04 | 6.34E-04 | 8.70E-04 | 1.24E-03 | 1.24E-03 | 3.52E-10 | 6.17E-04 | 1.06E-05 | 7.02E-06 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | Propylene Dichloride | 9.54E-08 | 9.54E-08 | 1.56E-07 | 2.42E-07 | 5.94E-07 | 1.03E-06 | 1.80E-06 | 1.80E-06 | 0.00E+00 | 5.94E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | Quinoline | 4.06E-10 | 4.06E-10 | 5.73E-10 | 9.07E-10 | 8.40E-10 | 1.11E-09 | 1.14E-09 | 1.14E-09 | 0.00E+00 | 8.40E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | 1,1,2,2-Tetrachloroethane | 8.99E-06 | 8.99E-06 | 1.42E-05 | 2.69E-05 | 3.29E-05 | 5.15E-05 | 6.88E-05 | 6.88E-05 | 0.00E+00 | 3.29E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kanabec County | 27065 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.15E-02 | 8.18E-02 | 8.31E-02 | 8.47E-02 | 8.76E-02 | 8.76E-02 | 0.00E+00 | 2.08E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Kanabec County | 27065 | R | Vinyl Chloride | 2.83E-05 | 2.83E-05 | 5.87E-05 | 1.11E-04 | 2.36E-04 | 4.13E-04 | 6.94E-04 | 6.94E-04 | 0.00E+00 | 2.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Acetaldehyde | 9.00E-02 | 1.13E-01 | 1.17E-01 | 2.28E-01 | 7.70E-01 | 5.98E-01 | 3.28E+00 | 3.39E+00 | 1.62E-03 | 6.28E-01 | 1.14E-01 | 2.69E-02 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Acrolein | 3.90E-03 | 4.95E-03 | 5.66E-03 | 7.39E-03 | 1.12E-02 | 1.45E-02 | 1.97E-02 | 3.33E-02 | 3.55E-06 | 2.05E-03 | 6.51E-03 | 2.62E-03 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Acrylonitrile | 2.60E-05 | 3.09E-05 | 4.72E-05 | 9.59E-05 | 1.36E-04 | 1.26E-04 | 4.06E-04 | 4.46E-04 | 0.00E+00 | 1.36E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Arsenic Compounds | 1.15E-05 | 1.34E-05 | 1.64E-05 | 3.59E-05 | 5.88E-05 | 1.01E-04 | 1.28E-04 | 1.53E-04 | 3.33E-05 | 3.26E-06 | 1.51E-05 | 7.20E-06 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Benzene | 5.32E-01 | 5.42E-01 | 5.50E-01 | 5.96E-01 | 7.31E-01 | 8.13E-01 | 1.04E+00 | 1.46E+00 | 1.61E-04 | 8.06E-02 | 1.25E-01 | 4.56E-02 | 4.80E-01 | |
| Minnesota | Kandiyohi County | 27067 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Beryllium Compounds | 3.84E-07 | 6.09E-07 | 6.48E-07 | 9.35E-07 | 1.42E-06 | 2.13E-06 | 2.53E-06 | 3.93E-06 | 5.77E-08 | 6.84E-07 | 0.00E+00 | 6.79E-07 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | 1,3-Butadiene | 2.14E-03 | 2.25E-03 | 2.40E-03 | 5.33E-03 | 1.76E-02 | 2.27E-02 | 4.45E-02 | 8.18E-02 | 0.00E+00 | 1.08E-04 | 1.28E-02 | 4.66E-03 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Cadmium Compounds | 1.12E-06 | 1.38E-06 | 1.60E-06 | 3.64E-06 | 5.23E-06 | 8.81E-06 | 1.06E-05 | 1.24E-05 | 2.71E-06 | 1.85E-06 | 0.00E+00 | 6.77E-07 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.79E-02 | 4.76E-02 | 5.09E-02 | 5.11E-02 | 2.37E-06 | 8.55E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Kandiyohi County | 27067 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.82E-01 | 8.82E-01 | 0.00E+00 | 3.11E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Kandiyohi County | 27067 | R | Chloroform | 8.44E-02 | 8.49E-02 | 8.51E-02 | 8.75E-02 | 9.76E-02 | 1.06E-01 | 1.15E-01 | 1.47E-01 | 1.06E-06 | 1.46E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Kandiyohi County | 27067 | R | Chromium Compounds (includes Hexavalent) | 2.88E-06 | 3.96E-06 | 4.69E-06 | 6.17E-06 | 1.40E-05 | 1.81E-05 | 3.10E-05 | 2.05E-05 | 1.11E-06 | 2.68E-06 | 9.47E-06 | 7.21E-07 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Chromium VI | 1.16E-06 | 1.43E-06 | 1.60E-06 | 2.41E-06 | 5.64E-06 | 7.30E-06 | 1.28E-05 | 2.17E-05 | 2.10E-07 | 1.37E-06 | 3.81E-06 | 2.45E-07 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | 1,4-Dichlorobenzene | 1.14E-03 | 1.29E-03 | 1.48E-03 | 3.12E-03 | 9.75E-03 | 1.37E-02 | 2.44E-02 | 4.21E-02 | 0.00E+00 | 9.75E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | 1,3-Dichloropropene | 4.45E-03 | 4.99E-03 | 5.73E-03 | 1.24E-02 | 3.95E-02 | 5.55E-02 | 9.98E-02 | 1.71E-01 | 0.00E+00 | 3.95E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.15E-08 | 1.63E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Kandiyohi County | 27067 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.17E-02 | 6.17E-02 | 7.29E-07 | 1.47E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Kandiyohi County | 27067 | R | Ethylene Oxide | 2.33E-04 | 2.72E-04 | 3.11E-04 | 6.54E-04 | 2.54E-03 | 3.07E-03 | 6.44E-03 | 1.31E-02 | 0.00E+00 | 2.54E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Formaldehyde | 2.99E-01 | 2.99E-01 | 3.06E-01 | 3.26E-01 | 3.83E-01 | 4.25E-01 | 4.90E-01 | 7.09E-01 | 5.52E-03 | 5.07E-03 | 7.54E-02 | 4.69E-02 | 2.50E-01 | |
| Minnesota | Kandiyohi County | 27067 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.36E-05 | 9.39E-05 | 9.46E-05 | 9.49E-05 | 0.00E+00 | 6.05E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Kandiyohi County | 27067 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.18E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Kandiyohi County | 27067 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.69E-07 | 2.32E-07 | 3.60E-07 | 4.45E-07 | 9.30E-07 | 0.00E+00 | 2.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Hydrazine | 9.53E-11 | 1.18E-10 | 1.73E-10 | 1.21E-09 | 1.27E-08 | 2.53E-08 | 4.67E-08 | 4.75E-08 | 0.00E+00 | 1.27E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Lead Compounds | 5.08E-05 | 5.71E-05 | 6.08E-05 | 1.58E-04 | 4.22E-04 | 6.18E-04 | 9.29E-04 | 1.91E-03 | 7.00E-05 | 7.29E-05 | 0.00E+00 | 2.79E-04 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Manganese Compounds | 2.93E-06 | 5.36E-06 | 6.05E-06 | 1.58E-05 | 1.81E-05 | 2.24E-05 | 3.62E-05 | 5.59E-05 | 2.98E-06 | 1.14E-05 | 3.04E-06 | 7.09E-07 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.54E-03 | 1.57E-03 | 1.63E-03 | 1.93E-06 | 5.41E-06 | 1.74E-05 | 6.64E-06 | 1.50E-03 |
| Minnesota | Kandiyohi County | 27067 | R | Methylene Chloride | 1.56E-01 | 1.56E-01 | 1.57E-01 | 1.64E-01 | 2.21E-01 | 2.30E-01 | 3.34E-01 | 5.29E-01 | 4.64E-06 | 7.07E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Kandiyohi County | 27067 | R | Nickel Compounds | 7.03E-06 | 7.10E-06 | 1.37E-05 | 2.38E-05 | 7.59E-05 | 1.12E-04 | 2.07E-04 | 3.00E-04 | 4.81E-06 | 6.28E-05 | 7.07E-06 | 1.20E-06 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.51E-01 | 1.56E-01 | 1.65E-01 | 1.93E-01 | 6.87E-07 | 1.11E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Kandiyohi County | 27067 | R | Polychlorinated Biphenyls | 3.87E-04 | 3.87E-04 | 3.89E-04 | 4.02E-04 | 4.44E-04 | 4.83E-04 | 5.66E-04 | 5.95E-04 | 0.00E+00 | 6.44E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Kandiyohi County | 27067 | R | Polycyclic Organic Matter | 3.80E-03 | 5.20E-03 | 6.08E-03 | 1.05E-02 | 2.12E-02 | 2.91E-02 | 4.58E-02 | 8.14E-02 | 7.93E-06 | 1.76E-02 | 2.81E-03 | 8.00E-04 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | 7-PAH | 1.20E-04 | 2.01E-04 | 2.37E-04 | 4.21E-04 | 5.58E-04 | 8.18E-04 | 1.04E-03 | 1.55E-03 | 1.56E-09 | 5.26E-04 | 2.21E-05 | 1.02E-05 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Propylene Dichloride | 1.31E-07 | 1.35E-07 | 1.42E-07 | 3.44E-07 | 2.30E-06 | 1.70E-06 | 1.03E-05 | 1.11E-05 | 0.00E+00 | 2.30E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Quinoline | 2.31E-09 | 2.78E-09 | 3.48E-09 | 8.50E-09 | 3.92E-08 | 7.41E-08 | 1.31E-07 | 1.33E-07 | 0.00E+00 | 3.92E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | 1,1,2,2-Tetrachloroethane | 6.96E-06 | 8.79E-06 | 1.39E-05 | 2.42E-05 | 2.23E-05 | 2.98E-05 | 3.38E-05 | 3.48E-05 | 0.00E+00 | 2.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kandiyohi County | 27067 | R | Trichloroethylene | 8.16E-02 | 8.18E-02 | 8.22E-02 | 8.27E-02 | 9.19E-02 | 9.43E-02 | 1.08E-01 | 1.44E-01 | 0.00E+00 | 1.09E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Kandiyohi County | 27067 | R | Vinyl Chloride | 1.11E-04 | 1.13E-04 | 1.33E-04 | 2.93E-04 | 1.86E-03 | 8.80E-04 | 9.36E-03 | 9.39E-03 | 0.00E+00 | 1.86E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kittson County | 27069 | R | Acetaldehyde | 3.45E-02 | 3.45E-02 | 3.45E-02 | 3.47E-02 | 3.47E-02 | 3.49E-02 | 3.49E-02 | 3.49E-02 | 8.65E-05 | 1.27E-03 | 8.26E-03 | 2.51E-02 | 0.00E+00 | |
| Minnesota | Kittson County | 27069 | R | Acrolein | 2.82E-03 | 2.82E-03 | 2.82E-03 | 3.32E-03 | 3.32E-03 | 3.83E-03 | 3.83E-03 | 3.83E-03 | 6.30E-05 | 1.69E-03 | 6.08E-04 | 9.59E-04 | 0.00E+00 | |
| Minnesota | Kittson County | 27069 | R | Acrylonitrile | 1.16E-05 | 1.16E-05 | 1.16E-05 | 1.32E-05 | 1.32E-05 | 1.48E-05 | 1.48E-05 | 1.48E-05 | 0.00E+00 | 1.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Kittson County | 27069 | R | Arsenic Compounds | 6.24E-06 | 6.24E-06 | 6.24E-06 | 8.39E-06 | 8.39E-06 | 1.06E-05 | 1.06E-05 | 1.06E-05 | 5.13E-06 | 6.21E-08 | 7.37E-07 | 2.47E-06 | 0.00E+00 | |
| Minnesota | Kittson County | 27069 | R | Benz | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|--------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Kittson County | 27069 | R | Chromium Compounds (includes Hexavalent) | 2.74E-06 | 2.74E-06 | 2.74E-06 | 3.94E-06 | 3.94E-06 | 5.15E-06 | 5.15E-06 | 5.15E-06 | 3.36E-06 | 4.78E-08 | 4.29E-07 | 1.07E-07 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Chromium VI | 1.44E-06 | 1.44E-06 | 1.44E-06 | 2.11E-06 | 2.11E-06 | 2.78E-06 | 2.78E-06 | 2.78E-06 | 1.88E-06 | 2.12E-08 | 1.73E-07 | 3.63E-08 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | 1,4-Dichlorobenzene | 2.03E-04 | 2.03E-04 | 2.03E-04 | 2.09E-04 | 2.09E-04 | 2.14E-04 | 2.14E-04 | 2.14E-04 | 0.00E+00 | 2.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | 1,3-Dichloropropene | 7.62E-04 | 7.62E-04 | 7.62E-04 | 7.73E-04 | 7.73E-04 | 7.84E-04 | 7.84E-04 | 7.84E-04 | 3.17E-07 | 7.73E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 5.46E-07 | 8.38E-09 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Kittson County | 27069 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.20E-07 | 1.12E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Kittson County | 27069 | R | Ethylene Oxide | 4.52E-05 | 4.52E-05 | 4.52E-05 | 4.54E-05 | 4.54E-05 | 4.57E-05 | 4.57E-05 | 4.57E-05 | 0.00E+00 | 4.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Formaldehyde | 3.02E-01 | 3.02E-01 | 3.02E-01 | 3.03E-01 | 3.03E-01 | 3.03E-01 | 3.03E-01 | 3.03E-01 | 4.08E-04 | 5.98E-03 | 4.23E-03 | 4.19E-02 | 2.50E-01 |
| Minnesota | Kittson County | 27069 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 7.71E-08 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Kittson County | 27069 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.32E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Kittson County | 27069 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Hydrazine | 5.25E-11 | 5.25E-11 | 5.25E-11 | 7.72E-11 | 7.72E-11 | 1.02E-10 | 1.02E-10 | 1.02E-10 | 0.00E+00 | 7.72E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Lead Compounds | 4.80E-06 | 4.80E-06 | 4.80E-06 | 7.42E-06 | 7.42E-06 | 1.00E-05 | 1.00E-05 | 1.00E-05 | 5.47E-06 | 9.03E-07 | 0.00E+00 | 1.05E-06 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Manganese Compounds | 4.64E-06 | 4.64E-06 | 4.64E-06 | 6.80E-06 | 6.80E-06 | 8.96E-06 | 8.96E-06 | 8.96E-06 | 6.26E-06 | 2.10E-07 | 1.28E-07 | 2.04E-07 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.29E-06 | 4.03E-07 | 8.88E-07 | 2.19E-06 | 1.50E-03 |
| Minnesota | Kittson County | 27069 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.51E-01 | 5.39E-06 | 1.09E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Kittson County | 27069 | R | Nickel Compounds | 3.60E-06 | 3.60E-06 | 3.60E-06 | 4.88E-06 | 4.88E-06 | 6.16E-06 | 6.16E-06 | 6.16E-06 | 3.50E-06 | 7.58E-07 | 3.23E-07 | 3.04E-07 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 6.39E-07 | 2.69E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Kittson County | 27069 | R | Polychlorinated Biphenyls | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.83E-04 | 3.83E-04 | 3.83E-04 | 0.00E+00 | 2.41E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Kittson County | 27069 | R | Polycyclic Organic Matter | 1.01E-03 | 1.01E-03 | 1.01E-03 | 1.06E-03 | 1.06E-03 | 1.12E-03 | 1.12E-03 | 1.12E-03 | 9.90E-07 | 8.08E-04 | 1.33E-04 | 1.19E-04 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | 7-PAH | 8.37E-05 | 8.37E-05 | 8.37E-05 | 8.75E-05 | 8.75E-05 | 9.14E-05 | 9.14E-05 | 9.14E-05 | 1.25E-08 | 8.32E-05 | 1.03E-06 | 3.30E-06 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Propylene Dichloride | 2.95E-08 | 2.95E-08 | 2.95E-08 | 8.37E-08 | 8.37E-08 | 1.38E-07 | 1.38E-07 | 1.38E-07 | 0.00E+00 | 8.37E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Quinoline | 1.17E-09 | 1.17E-09 | 1.17E-09 | 1.67E-09 | 1.67E-09 | 2.18E-09 | 2.18E-09 | 2.18E-09 | 0.00E+00 | 1.67E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | 1,1,2,2-Tetrachloroethane | 4.03E-06 | 4.03E-06 | 4.03E-06 | 4.63E-06 | 4.63E-06 | 5.23E-06 | 5.23E-06 | 5.23E-06 | 4.94E-07 | 4.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Kittson County | 27069 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 0.00E+00 | 8.15E-05 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Kittson County | 27069 | R | Vinyl Chloride | 7.04E-06 | 7.04E-06 | 7.04E-06 | 8.48E-06 | 8.48E-06 | 9.93E-06 | 9.93E-06 | 9.93E-06 | 1.84E-07 | 8.30E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Acetaldehyde | 1.42E-02 | 1.42E-02 | 1.89E-02 | 1.66E-01 | 1.91E-01 | 3.63E-01 | 4.19E-01 | 4.19E-01 | 5.59E-02 | 6.48E-02 | 6.04E-02 | 9.91E-03 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Acrolein | 9.05E-03 | 9.05E-03 | 9.37E-03 | 1.48E-02 | 1.46E-02 | 1.99E-02 | 1.99E-02 | 1.99E-02 | 2.20E-04 | 6.99E-03 | 3.55E-03 | 1.16E-03 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Acrylonitrile | 5.65E-06 | 5.65E-06 | 2.57E-05 | 1.58E-04 | 1.48E-04 | 2.71E-04 | 2.71E-04 | 2.71E-04 | 0.00E+00 | 1.48E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Arsenic Compounds | 6.47E-07 | 6.47E-07 | 1.12E-06 | 1.60E-05 | 1.65E-05 | 3.20E-05 | 3.36E-05 | 3.36E-05 | 1.90E-06 | 2.44E-06 | 9.21E-06 | 3.00E-06 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Benzene | 5.05E-01 | 5.05E-01 | 5.08E-01 | 6.69E-01 | 6.71E-01 | 8.34E-01 | 8.34E-01 | 8.42E-01 | 9.72E-03 | 8.24E-02 | 8.31E-02 | 1.59E-02 | 4.80E-01 |
| Minnesota | Koochiching County | 27071 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Beryllium Compounds | 5.16E-08 | 5.16E-08 | 1.15E-07 | 1.55E-06 | 2.00E-06 | 3.89E-06 | 4.85E-06 | 4.85E-06 | 1.02E-06 | 9.73E-07 | 0.00E+00 | 7.74E-09 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | 1,3-Butadiene | 2.79E-03 | 2.79E-03 | 2.83E-03 | 1.33E-02 | 1.35E-02 | 2.41E-02 | 2.44E-02 | 2.44E-02 | 0.00E+00 | 2.55E-03 | 9.32E-03 | 1.58E-03 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Cadmium Compounds | 1.54E-07 | 1.54E-07 | 3.62E-07 | 3.31E-06 | 4.61E-06 | 8.87E-06 | 1.17E-05 | 1.17E-05 | 3.07E-06 | 1.43E-06 | 0.00E+00 | 1.08E-07 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.73E-02 | 4.73E-02 | 4.76E-02 | 4.76E-02 | 4.76E-02 | 0.00E+00 | 2.85E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Koochiching County | 27071 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 6.19E-05 | 1.17E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Koochiching County | 27071 | R | Chloroform | 8.41E-02 | 8.41E-02 | 8.51E-02 | 9.85E-02 | 9.96E-02 | 1.14E-01 | 1.17E-01 | 1.17E-01 | 9.70E-03 | 6.90E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Koochiching County | 27071 | R | Chromium Compounds (includes Hexavalent) | 6.29E-07 | 6.29E-07 | 1.74E-06 | 1.82E-05 | 2.22E-05 | 4.27E-05 | 5.18E-05 | 5.18E-05 | 1.02E-05 | 5.81E-06 | 5.74E-06 | 4.64E-07 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Chromium VI | 2.70E-07 | 2.70E-07 | 7.90E-07 | 9.86E-06 | 1.13E-05 | 2.18E-05 | 2.51E-05 | 2.51E-05 | 3.86E-06 | 4.87E-06 | 2.40E-06 | 1.58E-07 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | 1,4-Dichlorobenzene | 1.18E-04 | 1.18E-04 | 2.24E-04 | 7.20E-03 | 7.15E-03 | 1.41E-02 | 1.41E-02 | 1.41E-02 | 0.00E+00 | 7.15E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | 1,3-Dichloropropene | 4.52E-04 | 4.52E-04 | 8.83E-04 | 2.94E-02 | 2.92E-02 | 5.75E-02 | 5.75E-02 | 5.75E-02 | 0.00E+00 | 2.92E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.35E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Koochiching County | 27071 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 6.12E-02 | 6.12E-02 | 2.51E-05 | 7.07E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Koochiching County | 27071 | R | Ethylene Oxide | 2.41E-05 | 2.41E-05 | 4.69E-05 | 1.59E-03 | 1.58E-03 | 3.11E-03 | 3.11E-03 | 3.11E-03 | 0.00E+00 | 1.58E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Formaldehyde | 2.94E-01 | 2.94E-01 | 3.00E-01 | 4.22E-01 | 4.62E-01 | 6.23E-01 | 7.09E-01 | 7.09E-01 | 1.11E-01 | 3.59E-02 | 4.51E-02 | 1.93E-02 | 2.50E-01 |
| Minnesota | Koochiching County | 27071 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.34E-05 | 9.34E-05 | 9.38E-05 | 9.38E-05 | 9.38E-05 | 0.00E+00 | 4.08E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Koochiching County | 27071 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.30E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Koochiching County | 27071 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Lead Compounds | 2.39E-05 | 2.39E-05 | 7.43E-05 | 1.21E-03 | 2.80E-03 | 5.53E-03 | 8.77E-03 | 7.48E-05 | 3.20E-05 | 0.00E+00 | 2.70E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Manganese Compounds | 8.23E-06 | 8.23E-06 | 4.87E-05 | 1.92E-04 | 2.83E-04 | 5.16E-04 | 7.38E-04 | 7.38E-04 | 2.74E-04 | 5.47E-06 | 1.86E-06 | 1.12E-06 | 0.00E+00 |
| Minnesota | Koochiching County | 27071 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 2.78E-07 | 2.04E-06 | 1.08E-05 | 2.61E-06 | 1.50E-03 |
| Minnesota | Koochiching County | 27071 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.52E-01 | 1.91E-01 | 1.91E-01 | 2.30E-01 | 2.30E-01 | 2.30E-01 | 9.21E-04 | 3.99E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Koochiching County | 27071 | R | Nickel Compounds | 5.69E-06 | 5.69E-06 | 9. | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|----------------------|-------|----------------|--|--|----------|------------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Koochiching County | 27071 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.60E-02 | 8.60E-02 | 9.08E-02 | 9.09E-02 | 9.09E-02 | 9.01E-05 | 4.90E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Koochiching County | 27071 | R | Vinyl Chloride | 1.52E-05 | 1.52E-05 | 4.20E-05 | 8.21E-04 | 8.08E-04 | 1.57E-03 | 1.58E-03 | 1.58E-03 | 6.00E-06 | 8.02E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Acetaldehyde | 6.64E-02 | 6.64E-02 | 6.64E-02 | 7.30E-02 | 8.38E-02 | 1.12E-01 | 1.12E-01 | 1.12E-01 | 3.77E-05 | 2.90E-02 | 2.12E-02 | 3.36E-02 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Acrolein | 3.12E-03 | 3.12E-03 | 3.12E-03 | 3.14E-03 | 3.52E-03 | 4.29E-03 | 4.29E-03 | 4.29E-03 | 1.63E-06 | 5.46E-04 | 1.28E-03 | 1.69E-03 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Acrylonitrile | 4.75E-06 | 4.75E-06 | 4.75E-06 | 7.06E-06 | 8.18E-06 | 1.28E-05 | 1.28E-05 | 1.28E-05 | 0.00E+00 | 8.18E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Arsenic Compounds | 6.26E-06 | 6.26E-06 | 6.26E-06 | 8.32E-06 | 9.08E-06 | 1.27E-05 | 1.27E-05 | 1.27E-05 | 2.36E-06 | 1.94E-07 | 1.77E-06 | 4.66E-06 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Benzene | 5.11E-01 | 5.11E-01 | 5.11E-01 | 5.17E-01 | 5.21E-01 | 5.35E-01 | 5.35E-01 | 5.35E-01 | 8.78E-06 | 9.97E-03 | 1.42E-02 | 1.69E-02 | 4.80E-01 |
| Minnesota | Lac qui Parle County | 27073 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Beryllium Compounds | 2.12E-07 | 2.12E-07 | 2.12E-07 | 3.00E-07 | 3.25E-07 | 4.64E-07 | 4.64E-07 | 4.64E-07 | 1.24E-07 | 1.15E-07 | 0.00E+00 | 8.65E-08 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | 1,3-Butadiene | 1.64E-03 | 1.64E-03 | 1.64E-03 | 2.12E-03 | 2.39E-03 | 3.41E-03 | 3.41E-03 | 3.41E-03 | 0.00E+00 | 9.58E-05 | 9.40E-04 | 1.35E-03 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Cadmium Compounds | 3.14E-07 | 3.14E-07 | 3.14E-07 | 6.19E-07 | 6.15E-07 | 9.13E-07 | 9.13E-07 | 9.13E-07 | 3.19E-07 | 2.11E-07 | 0.00E+00 | 8.62E-08 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 8.75E-07 | 4.14E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Lac qui Parle County | 27073 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 9.84E-06 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Lac qui Parle County | 27073 | R | Chloroform | 8.35E-02 | 8.35E-02 | 8.35E-02 | 8.39E-02 | 8.38E-02 | 8.40E-02 | 8.40E-02 | 8.40E-02 | 0.00E+00 | 8.22E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Lac qui Parle County | 27073 | R | Chromium Compounds (includes Hexavalent) | 1.47E-06 | 1.47E-06 | 1.47E-06 | 3.05E-06 | 3.01E-06 | 4.50E-06 | 4.50E-06 | 4.50E-06 | 1.55E-06 | 2.13E-07 | 1.06E-06 | 1.83E-07 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Chromium VI | 5.84E-07 | 5.84E-07 | 5.84E-07 | 6.24E-07 | 7.45E-07 | 1.03E-06 | 1.03E-06 | 1.03E-06 | 1.79E-07 | 8.52E-08 | 4.18E-07 | 6.22E-08 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | 1,4-Dichlorobenzene | 4.45E-04 | 4.45E-04 | 4.45E-04 | 7.14E-04 | 6.79E-04 | 8.52E-04 | 8.52E-04 | 8.52E-04 | 0.00E+00 | 6.79E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | 1,3-Dichloropropene | 1.64E-03 | 1.64E-03 | 1.64E-03 | 2.92E-03 | 2.63E-03 | 3.32E-03 | 3.32E-03 | 3.32E-03 | 0.00E+00 | 2.63E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.25E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Lac qui Parle County | 27073 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 2.69E-07 | 3.91E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Lac qui Parle County | 27073 | R | Ethylene Oxide | 9.40E-05 | 9.40E-05 | 9.40E-05 | 1.66E-04 | 1.53E-04 | 2.00E-04 | 2.00E-04 | 2.00E-04 | 0.00E+00 | 1.53E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Formaldehyde | 3.15E-01 | 3.15E-01 | 3.15E-01 | 3.15E-01 | 3.22E-01 | 3.35E-01 | 3.35E-01 | 3.35E-01 | 7.80E-06 | 5.02E-03 | 1.12E-02 | 5.66E-02 | 2.50E-01 |
| Minnesota | Lac qui Parle County | 27073 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.49E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Lac qui Parle County | 27073 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.16E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Lac qui Parle County | 27073 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Hydrazine | 5.30E-10 | 5.30E-10 | 5.30E-10 | 5.57E-10 | 7.97E-10 | 1.30E-09 | 1.30E-09 | 1.30E-09 | 0.00E+00 | 7.97E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Lead Compounds | 1.10E-04 | 1.10E-04 | 1.10E-04 | 2.17E-04 | 2.47E-04 | 4.13E-04 | 4.13E-04 | 4.13E-04 | 2.51E-06 | 2.31E-04 | 0.00E+00 | 1.31E-05 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Manganese Compounds | 6.33E-06 | 6.33E-06 | 6.33E-06 | 1.04E-05 | 1.22E-05 | 1.63E-05 | 1.63E-05 | 1.63E-05 | 8.71E-06 | 2.77E-06 | 3.27E-07 | 3.81E-07 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 4.14E-09 | 2.22E-07 | 2.22E-06 | 4.05E-06 | 1.50E-03 |
| Minnesota | Lac qui Parle County | 27073 | R | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.54E-01 | 1.54E-01 | 1.55E-01 | 1.55E-01 | 1.55E-01 | 1.87E-06 | 3.54E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Lac qui Parle County | 27073 | R | Nickel Compounds | 2.92E-06 | 2.92E-06 | 2.92E-06 | 4.05E-06 | 4.23E-06 | 5.73E-06 | 5.73E-06 | 5.73E-06 | 1.64E-06 | 1.21E-06 | 8.19E-07 | 5.69E-07 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 2.77E-07 | 6.79E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Lac qui Parle County | 27073 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.87E-04 | 3.87E-04 | 3.90E-04 | 3.90E-04 | 3.90E-04 | 0.00E+00 | 6.85E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Lac qui Parle County | 27073 | R | Polycyclic Organic Matter | 1.96E-03 | 1.96E-03 | 1.96E-03 | 2.19E-03 | 2.56E-03 | 3.53E-03 | 3.53E-03 | 3.53E-03 | 5.34E-07 | 2.01E-03 | 3.26E-04 | 2.20E-04 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | 7-PAH | 8.15E-05 | 8.15E-05 | 8.15E-05 | 9.82E-05 | 1.15E-04 | 1.67E-04 | 1.67E-04 | 1.67E-04 | 2.73E-09 | 1.07E-04 | 2.55E-06 | 5.42E-06 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Propylene Dichloride | 7.04E-08 | 7.04E-08 | 7.04E-08 | 1.14E-07 | 1.09E-07 | 1.41E-07 | 1.41E-07 | 1.41E-07 | 0.00E+00 | 1.09E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Quinoline | 3.43E-09 | 3.43E-09 | 3.43E-09 | 3.48E-09 | 4.33E-09 | 6.09E-09 | 6.09E-09 | 6.09E-09 | 0.00E+00 | 4.33E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | 1,1,2,2-Tetrachloroethane | 1.07E-06 | 1.07E-06 | 1.07E-06 | 1.35E-06 | 1.83E-06 | 3.09E-06 | 3.09E-06 | 3.09E-06 | 0.00E+00 | 1.83E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lac qui Parle County | 27073 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.14E-02 | 8.13E-02 | 8.14E-02 | 8.14E-02 | 8.14E-02 | 0.00E+00 | 3.01E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Lac qui Parle County | 27073 | R | Vinyl Chloride | 2.34E-05 | 2.34E-05 | 2.34E-05 | 5.23E-05 | 4.59E-05 | 6.22E-05 | 6.22E-05 | 6.22E-05 | 0.00E+00 | 4.59E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Acetaldehyde | 3.24E-02 | 3.24E-02 | 5.90E-02 | 9.89E-02 | 1.01E-01 | 1.42E-01 | 1.72E-01 | 1.72E-01 | 5.06E-03 | 2.83E-02 | 1.90E-02 | 4.82E-02 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Acrolein | 9.40E-03 | 9.40E-03 | 1.09E-02 | 1.34E-02 | 1.36E-02 | 1.64E-02 | 1.83E-02 | 1.83E-02 | 1.39E-03 | 6.93E-03 | 1.05E-03 | 4.26E-03 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Acrylonitrile | 8.84E-06 | 8.84E-06 | 1.14E-05 | 1.50E-05 | 2.76E-05 | 4.39E-05 | 7.18E-05 | 7.18E-05 | 0.00E+00 | 2.76E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Arsenic Compounds | 1.95E-05 | 1.95E-05 | 5.23E-05 | 1.43E-04 | 8.05E-04 | 1.56E-03 | 2.92E-03 | 2.92E-03 | 7.99E-04 | 4.68E-07 | 2.80E-06 | 2.76E-06 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Benzene | 5.34E-01 | 5.34E-01 | 5.70E-01 | 6.23E-01 | 6.07E-01 | 6.44E-01 | 6.49E-01 | 6.49E-01 | 5.46E-03 | 2.87E-02 | 2.03E-02 | 7.29E-02 | 4.80E-01 |
| Minnesota | Lake County | 27075 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Beryllium Compounds | 5.85E-07 | 5.85E-07 | 1.48E-06 | 3.86E-06 | 2.04E-05 | 3.94E-05 | 7.34E-05 | 7.34E-05 | 2.02E-05 | 1.55E-07 | 0.00E+00 | 2.86E-08 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | 1,3-Butadiene | 2.97E-03 | 2.97E-03 | 5.04E-03 | 8.63E-03 | 7.86E-03 | 1.07E-02 | 1.12E-02 | 1.12E-02 | 6.54E-07 | 2.35E-03 | 2.12E-03 | 3.39E-03 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Cadmium Compounds | 2.46E-06 | 2.46E-06 | 3.22E-06 | 6.76E-06 | 3.39E-05 | 6.45E-05 | 1.20E-04 | 1.20E-04 | 3.32E-05 | 2.61E-07 | 0.00E+00 | 3.76E-07 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.73E-02 | 4.73E-02 | 9.73E-07 | 1.01E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Lake County | 27075 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.14E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Lake County | 27075 | R | Chloroform | 8.30E-02 | 8.30E-02 | 8.30E-02 | 8.31E-02 | 8.34E-02 | 8.37E-02 | 8.43E-02 | 8.43E-02 | 1.12E-08 | 3.63E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Lake County | 27075 | R | Chromium Compounds (includes Hexavalent) | 1.24E-04 | 1.24E-04 | 2.02E-04 | 5.54E-04 | 1.21E-03 | 2.22E-03 | 3.62E-03 | 3.62E-03 | 9.98E-04 | 2.11E-04 | 1.57E-06 | 1.88E-06 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Chromium VI | 4.20E-05 | 4.20E-05 | 6.88E-05 | 1.89E-04 | 4.13E-04 | 7.56E-04 | 1.23E-03 | 1.23E-03 | 3.39E-04 | 7.19E-05 | 6.16E-07 | 6.40E-07 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | 1,4-Dichlorobenzene | 1.54E-04 | 1.54E-04 | 1.77E-04</ | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|--------------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Lake County | 27075 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.09E-11 | 2.18E-11 | 4.36E-11 | 4.36E-11 | 0.00E+00 | 1.09E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Lead Compounds | 1.47E-04 | 1.47E-04 | 1.65E-04 | 1.99E-04 | 2.91E-04 | 4.17E-04 | 6.16E-04 | 6.16E-04 | 2.67E-05 | 2.10E-04 | 0.00E+00 | 5.37E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Manganese Compounds | 6.12E-05 | 6.12E-05 | 2.73E-04 | 7.99E-04 | 4.47E-03 | 8.66E-03 | 1.62E-02 | 1.62E-02 | 4.46E-03 | 7.33E-06 | 5.14E-07 | 3.55E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.56E-03 | 1.61E-03 | 1.61E-03 | 2.78E-05 | 4.67E-07 | 3.38E-06 | 3.20E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.53E-01 | 1.61E-01 | 1.71E-01 | 1.87E-01 | 1.87E-01 | 2.02E-04 | 1.06E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Nickel Compounds | 4.21E-04 | 4.21E-04 | 6.70E-04 | 9.71E-04 | 3.79E-03 | 6.90E-03 | 1.28E-02 | 1.28E-02 | 3.48E-03 | 2.19E-04 | 1.24E-06 | 8.03E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.46E-01 | 1.46E-01 | 7.82E-09 | 1.75E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Polychlorinated Biphenyls | 3.81E-04 | 3.81E-04 | 3.81E-04 | 3.89E-04 | 3.97E-04 | 4.13E-04 | 4.30E-04 | 4.30E-04 | 5.75E-11 | 1.70E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Polycyclic Organic Matter | 1.53E-03 | 1.53E-03 | 2.08E-03 | 3.70E-03 | 5.56E-03 | 9.04E-03 | 1.33E-02 | 1.33E-02 | 4.35E-05 | 4.37E-03 | 4.99E-04 | 6.46E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | 7-PAH | 2.83E-04 | 2.83E-04 | 3.14E-04 | 4.26E-04 | 4.51E-04 | 5.87E-04 | 6.68E-04 | 6.68E-04 | 3.39E-08 | 4.15E-04 | 3.72E-06 | 3.15E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Propylene Dichloride | 9.64E-09 | 9.64E-09 | 1.35E-08 | 4.71E-08 | 2.30E-07 | 4.47E-07 | 8.17E-07 | 8.17E-07 | 0.00E+00 | 2.30E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.71E-10 | 5.41E-10 | 1.08E-09 | 1.08E-09 | 0.00E+00 | 2.71E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | 1,1,2,2-Tetrachloroethane | 2.73E-06 | 2.73E-06 | 3.51E-06 | 4.29E-06 | 6.46E-06 | 9.40E-06 | 1.45E-05 | 1.45E-05 | 0.00E+00 | 6.46E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.21E-02 | 8.32E-02 | 8.51E-02 | 8.51E-02 | 0.00E+00 | 1.15E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Lake County | 27075 | R | Vinyl Chloride | 1.77E-05 | 1.77E-05 | 2.25E-05 | 6.73E-05 | 3.02E-04 | 5.81E-04 | 1.06E-03 | 1.06E-03 | 0.00E+00 | 3.02E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Acetaldehyde | 1.18E-02 | 1.18E-02 | 1.18E-02 | 1.64E-02 | 1.71E-02 | 2.31E-02 | 2.31E-02 | 2.31E-02 | 0.00E+00 | 2.82E-03 | 6.11E-03 | 8.17E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Acrolein | 3.21E-03 | 3.21E-03 | 3.21E-03 | 7.69E-03 | 6.30E-03 | 7.99E-03 | 7.99E-03 | 7.99E-03 | 0.00E+00 | 3.30E-03 | 3.58E-04 | 2.64E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Acrylonitrile | 1.42E-06 | 1.42E-06 | 1.42E-06 | 1.61E-06 | 4.85E-06 | 1.15E-05 | 1.15E-05 | 1.15E-05 | 0.00E+00 | 4.85E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Arsenic Compounds | 1.23E-06 | 1.23E-06 | 1.23E-06 | 1.24E-06 | 1.56E-06 | 2.21E-06 | 2.21E-06 | 2.21E-06 | 4.37E-10 | 8.75E-08 | 5.07E-07 | 9.64E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Benzene | 5.10E-01 | 5.10E-01 | 5.10E-01 | 5.42E-01 | 5.40E-01 | 5.66E-01 | 5.66E-01 | 5.66E-01 | 5.86E-09 | 9.50E-03 | 4.00E-03 | 4.62E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Beryllium Compounds | 1.83E-08 | 1.83E-08 | 1.83E-08 | 3.25E-08 | 5.84E-08 | 5.84E-08 | 5.84E-08 | 5.84E-08 | 2.71E-11 | 3.02E-08 | 0.00E+00 | 2.29E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | 1,3-Butadiene | 1.96E-03 | 1.96E-03 | 1.96E-03 | 4.16E-03 | 3.82E-03 | 5.32E-03 | 5.32E-03 | 5.32E-03 | 0.00E+00 | 1.05E-03 | 2.68E-04 | 2.50E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Cadmium Compounds | 5.36E-08 | 5.36E-08 | 5.36E-08 | 1.16E-07 | 9.71E-08 | 1.22E-07 | 1.22E-07 | 1.22E-07 | 2.55E-09 | 6.26E-08 | 0.00E+00 | 3.19E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 0.00E+00 | 8.98E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.45E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Chloroform | 8.38E-02 | 8.38E-02 | 8.38E-02 | 8.41E-02 | 8.45E-02 | 8.57E-02 | 8.57E-02 | 8.57E-02 | 0.00E+00 | 1.51E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Chromium Compounds (includes Hexavalent) | 6.82E-07 | 6.82E-07 | 6.82E-07 | 7.43E-07 | 8.42E-07 | 1.10E-06 | 1.10E-06 | 1.10E-06 | 3.19E-09 | 1.00E-07 | 2.82E-07 | 4.57E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Chromium VI | 2.59E-07 | 2.59E-07 | 2.59E-07 | 3.06E-07 | 3.28E-07 | 4.18E-07 | 4.18E-07 | 4.18E-07 | 1.79E-09 | 5.72E-08 | 1.13E-07 | 1.55E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | 1,4-Dichlorobenzene | 1.23E-04 | 1.23E-04 | 1.23E-04 | 1.32E-04 | 1.73E-04 | 2.66E-04 | 2.66E-04 | 2.66E-04 | 0.00E+00 | 1.73E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | 1,3-Dichloropropene | 4.80E-04 | 4.80E-04 | 4.80E-04 | 5.08E-04 | 6.84E-04 | 1.07E-03 | 1.07E-03 | 1.07E-03 | 0.00E+00 | 6.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 2.35E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 7.32E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Ethylene Oxide | 2.62E-05 | 2.62E-05 | 2.62E-05 | 2.70E-05 | 4.58E-05 | 8.41E-05 | 8.41E-05 | 8.41E-05 | 0.00E+00 | 4.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Formaldehyde | 2.71E-01 | 2.71E-01 | 2.71E-01 | 2.85E-01 | 2.82E-01 | 2.89E-01 | 2.89E-01 | 2.89E-01 | 2.02E-07 | 1.35E-02 | 2.84E-03 | 1.51E-02 | 2.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 3.06E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.31E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.28E-12 | 9.84E-12 | 9.84E-12 | 9.84E-12 | 0.00E+00 | 3.28E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Lead Compounds | 1.83E-05 | 1.83E-05 | 1.83E-05 | 2.25E-05 | 2.94E-05 | 4.74E-05 | 4.74E-05 | 4.74E-05 | 1.15E-09 | 8.03E-07 | 0.00E+00 | 2.86E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Manganese Compounds | 8.74E-07 | 8.74E-07 | 8.74E-07 | 2.73E-06 | 4.05E-06 | 8.54E-06 | 8.54E-06 | 8.54E-06 | 8.55E-10 | 3.53E-06 | 8.55E-08 | 4.27E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 7.26E-10 | 5.66E-08 | 6.07E-07 | 6.54E-07 | 1.50E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.56E-01 | 1.63E-01 | 1.63E-01 | 1.63E-01 | 5.33E-03 | 9.80E-04 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Nickel Compounds | 1.77E-06 | 1.77E-06 | 1.77E-06 | 5.88E-06 | 6.85E-06 | 1.29E-05 | 1.29E-05 | 1.29E-05 | 4.59E-09 | 1.21E-06 | 2.28E-07 | 5.41E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 0.00E+00 | 1.58E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Polychlorinated Biphenyls | 3.81E-04 | 3.81E-04 | 3.81E-04 | 3.81E-04 | 3.82E-04 | 3.86E-04 | 3.86E-04 | 3.86E-04 | 0.00E+00 | 2.45E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Polycyclic Organic Matter | 8.18E-04 | 8.18E-04 | 8.18E-04 | 1.20E-03 | 1.21E-03 | 1.60E-03 | 1.60E-03 | 1.60E-03 | 1.75E-09 | 9.36E-04 | 8.87E-05 | 1.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | 7-PAH | 8.41E-05 | 8.41E-05 | 8.41E-05 | 2.06E-04 | 1.67E-04 | 2.12E-04 | 2.12E-04 | 2.12E-04 | 2.86E-11 | 1.54E-04 | 6.69E-07 | 1.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lake of the Woods County | 27077 | R | Propylene Dichloride | 7.24E-09 | 7.2 | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Le Sueur County | 27079 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 4.76E-02 | 4.76E-02 | 3.47E-07 | 2.77E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Le Sueur County | 27079 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 6.57E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Le Sueur County | 27079 | R | Chloroform | 8.62E-02 | 8.62E-02 | 8.63E-02 | 8.69E-02 | 8.73E-02 | 8.87E-02 | 8.88E-02 | 8.88E-02 | 1.27E-07 | 4.29E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Le Sueur County | 27079 | R | Chromium Compounds (includes Hexavalent) | 1.22E-05 | 1.22E-05 | 1.45E-05 | 1.72E-05 | 1.68E-05 | 1.94E-05 | 2.01E-05 | 2.01E-05 | 5.31E-06 | 5.46E-06 | 5.68E-06 | 3.03E-07 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Chromium VI | 4.11E-06 | 4.11E-06 | 4.64E-06 | 5.70E-06 | 5.71E-06 | 6.80E-06 | 7.28E-06 | 7.28E-06 | 1.18E-06 | 2.17E-06 | 2.26E-06 | 1.03E-07 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | 1,4-Dichlorobenzene | 3.46E-03 | 3.46E-03 | 3.46E-03 | 4.33E-03 | 4.29E-03 | 4.68E-03 | 5.46E-03 | 5.46E-03 | 0.00E+00 | 4.29E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | 1,3-Dichloropropene | 1.33E-02 | 1.33E-02 | 1.34E-02 | 1.67E-02 | 1.65E-02 | 1.80E-02 | 2.08E-02 | 2.08E-02 | 0.00E+00 | 1.65E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.59E-09 | 1.58E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Le Sueur County | 27079 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 1.07E-07 | 3.52E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Le Sueur County | 27079 | R | Ethylene Oxide | 7.45E-04 | 7.45E-04 | 7.57E-04 | 9.67E-04 | 9.40E-04 | 1.05E-03 | 1.16E-03 | 1.16E-03 | 0.00E+00 | 9.40E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Formaldehyde | 3.37E-01 | 3.37E-01 | 3.44E-01 | 3.45E-01 | 3.57E-01 | 3.78E-01 | 3.93E-01 | 3.93E-01 | 2.00E-03 | 7.20E-03 | 5.70E-02 | 4.09E-02 | 2.50E-01 |
| Minnesota | Le Sueur County | 27079 | R | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.33E-05 | 9.33E-05 | 9.34E-05 | 9.34E-05 | 0.00E+00 | 3.05E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Le Sueur County | 27079 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.73E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Le Sueur County | 27079 | R | Hexamethylene Diisocyanate | 4.08E-08 | 4.08E-08 | 4.33E-08 | 2.45E-07 | 1.64E-06 | 3.42E-07 | 8.92E-06 | 8.92E-06 | 0.00E+00 | 1.64E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Hydrazine | 6.00E-10 | 6.00E-10 | 8.18E-10 | 2.32E-09 | 3.29E-09 | 5.50E-09 | 8.18E-09 | 8.18E-09 | 0.00E+00 | 3.29E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Lead Compounds | 1.99E-03 | 1.99E-03 | 2.13E-03 | 2.99E-03 | 3.55E-03 | 4.05E-03 | 7.14E-03 | 7.14E-03 | 3.13E-03 | 3.28E-04 | 0.00E+00 | 1.80E-04 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Manganese Compounds | 3.06E-05 | 3.06E-05 | 3.29E-05 | 3.38E-05 | 3.68E-05 | 3.67E-05 | 5.26E-05 | 5.26E-05 | 2.07E-06 | 3.25E-05 | 1.73E-06 | 4.74E-07 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 3.21E-06 | 2.31E-06 | 1.04E-05 | 4.70E-06 | 1.50E-03 |
| Minnesota | Le Sueur County | 27079 | R | Methylene Chloride | 1.72E-01 | 1.72E-01 | 1.72E-01 | 1.79E-01 | 1.78E-01 | 1.82E-01 | 1.82E-01 | 1.82E-01 | 7.70E-04 | 2.68E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Le Sueur County | 27079 | R | Nickel Compounds | 6.72E-05 | 6.72E-05 | 8.01E-05 | 8.75E-05 | 1.17E-04 | 1.07E-04 | 2.74E-04 | 2.74E-04 | 2.50E-06 | 1.10E-04 | 4.25E-06 | 9.69E-07 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Perchloroethylene | 1.44E-01 | 1.44E-01 | 1.44E-01 | 1.46E-01 | 1.46E-01 | 1.48E-01 | 1.48E-01 | 1.48E-01 | 4.73E-05 | 5.75E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Le Sueur County | 27079 | R | Polychlorinated Biphenyls | 3.97E-04 | 3.97E-04 | 4.03E-04 | 4.07E-04 | 4.07E-04 | 4.08E-04 | 4.22E-04 | 4.22E-04 | 0.00E+00 | 2.73E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Le Sueur County | 27079 | R | Polycyclic Organic Matter | 1.09E-02 | 1.09E-02 | 1.15E-02 | 1.21E-02 | 1.29E-02 | 1.38E-02 | 1.72E-02 | 1.72E-02 | 4.69E-06 | 1.08E-02 | 1.69E-03 | 4.13E-04 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | 7-PAH | 3.59E-04 | 3.59E-04 | 3.81E-04 | 4.17E-04 | 4.28E-04 | 4.38E-04 | 5.57E-04 | 5.57E-04 | 5.21E-09 | 4.09E-04 | 1.29E-05 | 6.55E-06 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Propylene Dichloride | 3.11E-07 | 3.11E-07 | 3.92E-07 | 4.89E-07 | 7.56E-07 | 1.11E-06 | 1.74E-06 | 1.74E-06 | 0.00E+00 | 7.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Quinoline | 7.65E-09 | 7.65E-09 | 1.02E-08 | 2.63E-08 | 2.81E-08 | 4.82E-08 | 5.01E-08 | 5.01E-08 | 0.00E+00 | 2.81E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | 1,1,2,2-Tetrachloroethane | 2.14E-05 | 2.14E-05 | 2.45E-05 | 4.11E-05 | 4.14E-05 | 5.32E-05 | 6.75E-05 | 6.75E-05 | 0.00E+00 | 4.14E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Le Sueur County | 27079 | R | Trichloroethylene | 8.40E-02 | 8.40E-02 | 8.42E-02 | 8.44E-02 | 8.49E-02 | 8.58E-02 | 8.65E-02 | 8.65E-02 | 1.20E-03 | 2.70E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Le Sueur County | 27079 | R | Vinyl Chloride | 2.10E-04 | 2.10E-04 | 2.25E-04 | 3.04E-04 | 3.81E-04 | 3.53E-04 | 8.87E-04 | 8.87E-04 | 0.00E+00 | 3.81E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Acetaldehyde | 4.16E-02 | 4.16E-02 | 4.16E-02 | 5.06E-02 | 5.06E-02 | 5.96E-02 | 5.96E-02 | 5.96E-02 | 4.90E-08 | 3.29E-03 | 2.15E-02 | 2.58E-02 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Acrolein | 3.98E-03 | 3.98E-03 | 3.98E-03 | 4.58E-03 | 4.58E-03 | 5.18E-03 | 5.18E-03 | 5.18E-03 | 0.00E+00 | 1.69E-03 | 1.27E-03 | 1.62E-03 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Acrylonitrile | 1.54E-05 | 1.54E-05 | 1.54E-05 | 1.58E-05 | 1.58E-05 | 1.62E-05 | 1.62E-05 | 1.62E-05 | 0.00E+00 | 1.58E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Arsenic Compounds | 7.19E-06 | 7.19E-06 | 7.19E-06 | 7.81E-06 | 7.81E-06 | 8.44E-06 | 8.44E-06 | 8.44E-06 | 1.97E-06 | 2.18E-07 | 1.88E-06 | 3.74E-06 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Benzene | 5.15E-01 | 5.15E-01 | 5.15E-01 | 5.23E-01 | 5.23E-01 | 5.31E-01 | 5.31E-01 | 5.31E-01 | 1.47E-04 | 1.22E-02 | 1.42E-02 | 1.66E-02 | 4.80E-01 |
| Minnesota | Lincoln County | 27081 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Beryllium Compounds | 1.28E-07 | 1.28E-07 | 1.28E-07 | 3.39E-07 | 3.39E-07 | 5.50E-07 | 5.50E-07 | 5.50E-07 | 1.55E-09 | 1.21E-07 | 0.00E+00 | 2.16E-07 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | 1,3-Butadiene | 2.67E-03 | 2.67E-03 | 2.67E-03 | 3.14E-03 | 3.14E-03 | 3.62E-03 | 3.62E-03 | 3.62E-03 | 0.00E+00 | 7.08E-04 | 9.20E-04 | 1.52E-03 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Cadmium Compounds | 5.60E-07 | 5.60E-07 | 5.60E-07 | 7.26E-07 | 7.26E-07 | 8.93E-07 | 8.93E-07 | 8.93E-07 | 3.16E-07 | 1.95E-07 | 0.00E+00 | 2.15E-07 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 0.00E+00 | 3.56E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Lincoln County | 27081 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 8.80E-01 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Lincoln County | 27081 | R | Chloroform | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 0.00E+00 | 2.13E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Lincoln County | 27081 | R | Chromium Compounds (includes Hexavalent) | 1.34E-05 | 1.34E-05 | 1.34E-05 | 1.57E-05 | 1.57E-05 | 1.80E-05 | 1.80E-05 | 1.80E-05 | 6.66E-06 | 7.72E-06 | 1.10E-06 | 2.26E-07 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Chromium VI | 4.63E-06 | 4.63E-06 | 4.63E-06 | 5.41E-06 | 5.41E-06 | 6.20E-06 | 6.20E-06 | 6.20E-06 | 2.26E-06 | 2.64E-06 | 4.31E-07 | 7.68E-08 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | 1,4-Dichlorobenzene | 5.12E-04 | 5.12E-04 | 5.12E-04 | 6.88E-04 | 6.88E-04 | 8.65E-04 | 8.65E-04 | 8.65E-04 | 0.00E+00 | 6.88E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | 1,3-Dichloropropene | 1.85E-03 | 1.85E-03 | 1.85E-03 | 2.56E-03 | 2.56E-03 | 3.26E-03 | 3.26E-03 | 3.26E-03 | 0.00E+00 | 2.56E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.01E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Lincoln County | 27081 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 2.86E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Lincoln County | 27081 | R | Ethylene Oxide | 1.28E-04 | 1.28E-04 | 1.28E-04 | 1.63E-04 | 1.63E-04 | 1.97E-04 | 1.97E-04 | 1.97E-04 | 0.00E+00 | 1.63E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Formaldehyde | 3.09E-01 | 3.09E-01 | 3.09E-01 | 3.18E-01 | 3.18E-01 | 3.26E-01 | 3.26E-01 | 3.26E-01 | 1.70E-05 | 7.93E-03 | 1.06E-02 | 4.89E-02 | 2.50E-01 |
| Minnesota | Lincoln County | 27081 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 1.15E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Lincoln County | 27081 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.88E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Lincoln County | 27081 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Hydrazine | 4.29E-11 | 4.29E-11 | 4.29E-11 | 5.26E-10 | 5.26E-10 | 1.01E-09 | 1.01E-09 | 1.01E-09 | 0.00E+00 | 5.26E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Lead Compounds | 1.95E-05 | 1.95E-05 | 1.95E-05 | 2.49E-05 | 2.49E-05 | 3.03E-05 | 3.03E-05 | 3.03E-05 | 8.17E-07 | 2.31E-06 | 0.00E+00 | 2.18E-05 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Manganese Compounds | 1.11E-06 | 1.11E-06 | 1.11E-06 | 1.45E-06 | 1.45E | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Lincoln County | 27081 | R | Propylene Dichloride | 3.74E-07 | 3.74E-07 | 3.74E-07 | 4.33E-07 | 4.33E-07 | 4.93E-07 | 4.93E-07 | 4.93E-07 | 4.93E-07 | 0.00E+00 | 4.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Quinoline | 7.18E-10 | 7.18E-10 | 7.18E-10 | 2.79E-09 | 2.79E-09 | 4.86E-09 | 4.86E-09 | 4.86E-09 | 4.86E-09 | 0.00E+00 | 2.79E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | 1,1,2,2-Tetrachloroethane | 5.29E-06 | 5.29E-06 | 5.29E-06 | 5.67E-06 | 5.67E-06 | 6.06E-06 | 6.06E-06 | 6.06E-06 | 6.06E-06 | 0.00E+00 | 5.67E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lincoln County | 27081 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 0.00E+00 | 2.91E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Lincoln County | 27081 | R | Vinyl Chloride | 2.93E-05 | 2.93E-05 | 2.93E-05 | 3.04E-05 | 3.04E-05 | 3.16E-05 | 3.16E-05 | 3.16E-05 | 3.16E-05 | 0.00E+00 | 3.04E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Acetaldehyde | 5.24E-02 | 5.24E-02 | 1.16E-01 | 3.10E-01 | 4.00E-01 | 6.51E-01 | 7.78E-01 | 7.78E-01 | 2.25E-06 | 3.11E-01 | 6.80E-02 | 2.13E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Acrolein | 2.93E-03 | 2.93E-03 | 3.68E-03 | 6.01E-03 | 7.34E-03 | 1.09E-02 | 1.18E-02 | 1.18E-02 | 0.00E+00 | 1.13E-03 | 4.24E-03 | 1.97E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Acrylonitrile | 1.39E-05 | 1.39E-05 | 2.91E-05 | 9.87E-05 | 1.01E-04 | 1.85E-04 | 1.88E-04 | 1.88E-04 | 0.00E+00 | 1.01E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Arsenic Compounds | 8.47E-06 | 8.47E-06 | 1.85E-05 | 3.98E-05 | 4.15E-05 | 6.12E-05 | 8.49E-05 | 8.49E-05 | 2.29E-05 | 2.89E-06 | 8.94E-06 | 6.83E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Benzene | 5.17E-01 | 5.17E-01 | 5.26E-01 | 6.57E-01 | 6.35E-01 | 7.04E-01 | 7.87E-01 | 7.87E-01 | 1.32E-03 | 5.45E-02 | 7.54E-02 | 2.35E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Beryllium Compounds | 3.89E-07 | 3.89E-07 | 5.29E-07 | 1.29E-06 | 1.60E-06 | 2.66E-06 | 3.30E-06 | 3.30E-06 | 1.71E-08 | 1.20E-06 | 0.00E+00 | 3.87E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | 1,3-Butadiene | 1.64E-03 | 1.64E-03 | 2.04E-03 | 9.94E-03 | 9.88E-03 | 1.60E-02 | 2.05E-02 | 2.05E-02 | 0.00E+00 | 3.02E-05 | 7.43E-03 | 2.42E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Cadmium Compounds | 8.74E-07 | 8.74E-07 | 2.20E-06 | 5.37E-06 | 5.60E-06 | 8.01E-06 | 1.27E-05 | 1.27E-05 | 3.40E-06 | 1.82E-06 | 0.00E+00 | 3.86E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.73E-02 | 4.75E-02 | 4.75E-02 | 4.75E-02 | 1.31E-09 | 2.57E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Lyon County | 27083 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.17E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Lyon County | 27083 | U | Chloroform | 8.34E-02 | 8.34E-02 | 8.42E-02 | 8.72E-02 | 8.80E-02 | 9.14E-02 | 9.30E-02 | 9.30E-02 | 0.00E+00 | 5.01E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Lyon County | 27083 | U | Chromium Compounds (includes Hexavalent) | 9.44E-06 | 9.44E-06 | 1.51E-05 | 9.18E-05 | 8.14E-05 | 1.20E-04 | 1.98E-04 | 1.98E-04 | 7.34E-05 | 2.01E-06 | 5.59E-06 | 3.63E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Chromium VI | 3.29E-06 | 3.29E-06 | 5.74E-06 | 3.26E-05 | 2.84E-05 | 4.17E-05 | 6.86E-05 | 6.86E-05 | 2.50E-05 | 1.05E-06 | 2.21E-06 | 1.23E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | 1,4-Dichlorobenzene | 6.46E-04 | 6.46E-04 | 1.23E-03 | 5.35E-03 | 5.86E-03 | 9.45E-03 | 1.24E-02 | 1.24E-02 | 0.00E+00 | 5.86E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | 1,3-Dichloropropene | 2.53E-03 | 2.53E-03 | 4.87E-03 | 2.17E-02 | 2.38E-02 | 3.84E-02 | 5.06E-02 | 5.06E-02 | 0.00E+00 | 2.38E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 4.58E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Lyon County | 27083 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 0.00E+00 | 7.10E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Lyon County | 27083 | U | Ethylene Oxide | 1.36E-04 | 1.36E-04 | 2.65E-04 | 1.18E-03 | 1.31E-03 | 2.43E-03 | 2.53E-03 | 2.53E-03 | 0.00E+00 | 1.31E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Formaldehyde | 2.94E-01 | 2.94E-01 | 2.96E-01 | 3.30E-01 | 3.39E-01 | 3.69E-01 | 3.93E-01 | 3.93E-01 | 2.48E-04 | 3.01E-03 | 4.49E-02 | 4.04E-02 | 2.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.35E-05 | 9.34E-05 | 9.35E-05 | 9.35E-05 | 9.35E-05 | 0.00E+00 | 3.55E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Lyon County | 27083 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.87E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Lyon County | 27083 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Hydrazine | 4.37E-12 | 4.37E-12 | 9.42E-12 | 1.86E-11 | 2.12E-11 | 2.03E-11 | 5.80E-11 | 5.80E-11 | 0.00E+00 | 2.12E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Lead Compounds | 3.47E-05 | 3.47E-05 | 6.45E-05 | 2.96E-04 | 3.20E-04 | 5.14E-04 | 7.45E-04 | 7.45E-04 | 8.90E-06 | 2.93E-05 | 0.00E+00 | 2.82E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Manganese Compounds | 1.69E-06 | 1.69E-06 | 2.60E-06 | 8.84E-06 | 9.82E-06 | 1.57E-05 | 2.07E-05 | 2.07E-05 | 5.47E-07 | 6.91E-06 | 1.78E-06 | 5.87E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 4.08E-07 | 1.99E-06 | 1.03E-05 | 6.15E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.56E-01 | 1.82E-01 | 1.84E-01 | 2.12E-01 | 2.13E-01 | 2.13E-01 | 0.00E+00 | 3.38E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Lyon County | 27083 | U | Nickel Compounds | 4.69E-06 | 4.69E-06 | 1.40E-05 | 3.43E-05 | 6.39E-05 | 1.13E-04 | 1.56E-04 | 1.56E-04 | 2.96E-06 | 5.59E-05 | 4.19E-06 | 9.27E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.46E-01 | 1.49E-01 | 1.56E-01 | 1.57E-01 | 1.57E-01 | 8.07E-11 | 9.21E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Lyon County | 27083 | U | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.88E-04 | 4.30E-04 | 4.13E-04 | 4.33E-04 | 4.34E-04 | 4.34E-04 | 0.00E+00 | 3.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Lyon County | 27083 | U | Polycyclic Organic Matter | 3.02E-03 | 3.02E-03 | 3.81E-03 | 1.69E-02 | 1.54E-02 | 2.07E-02 | 3.58E-02 | 3.58E-02 | 9.40E-07 | 1.30E-02 | 1.68E-04 | 7.28E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | 7-PAH | 1.20E-04 | 1.20E-04 | 1.25E-04 | 4.11E-04 | 4.52E-04 | 5.90E-04 | 1.15E-03 | 1.15E-03 | 1.61E-08 | 4.32E-04 | 1.26E-05 | 7.17E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Propylene Dichloride | 5.13E-08 | 5.13E-08 | 1.37E-07 | 5.51E-07 | 6.47E-07 | 1.21E-06 | 1.23E-06 | 1.23E-06 | 0.00E+00 | 6.47E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Quinoline | 6.52E-11 | 6.52E-11 | 1.46E-10 | 4.25E-10 | 4.31E-10 | 4.47E-10 | 1.08E-09 | 1.08E-09 | 0.00E+00 | 4.31E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | 1,1,2,2-Tetrachloroethane | 3.48E-06 | 3.48E-06 | 3.90E-06 | 2.89E-05 | 2.56E-05 | 4.63E-05 | 4.75E-05 | 4.75E-05 | 0.00E+00 | 2.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Lyon County | 27083 | U | Trichloroethylene | 8.14E-02 | 8.14E-02 | 8.20E-02 | 8.64E-02 | 8.71E-02 | 9.23E-02 | 9.27E-02 | 9.27E-02 | 0.00E+00 | 6.11E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Lyon County | 27083 | U | Vinyl Chloride | 5.33E-05 | 5.33E-05 | 1.68E-04 | 7.09E-04 | 8.79E-04 | 1.66E-03 | 1.68E-03 | 1.68E-03 | 0.00E+00 | 8.79E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Acetaldehyde | 1.42E-01 | 1.42E-01 | 1.55E-01 | 2.06E-01 | 2.23E-01 | 3.08E-01 | 3.37E-01 | 3.37E-01 | 0.00E+00 | 6.32E-02 | 1.32E-01 | 2.85E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Acrolein | 5.03E-03 | 5.03E-03 | 7.54E-03 | 1.12E-02 | 1.15E-02 | 1.43E-02 | 1.90E-02 | 1.90E-02 | 0.00E+00 | 1.84E-03 | 7.26E-03 | 2.36E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Acrylonitrile | 1.50E-05 | 1.50E-05 | 1.67E-05 | 2.22E-05 | 2.26E-05 | 2.81E-05 | 3.51E-05 | 3.51E-05 | 0.00E+00 | 2.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Arsenic Compounds | 8.43E-06 | 8.43E-06 | 1.13E-05 | 2.78E-05 | 2.70E-05 | 3.71E-05 | 5.53E-05 | 5.53E-05 | 2.89E-10 | 4.91E-06 | 1.43E-05 | 7.81E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Benzene | 5.43E-01 | 5.43E-01 | 5.78E-01 | 7.02E-01 | 7.08E-01 | 8.20E-01 | 9.49E-01 | 9.49E-01 | 4.09E-09 | 7.00E-02 | 1.25E-01 | 3.35E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | McLeod County | 27085 | U | Beryllium Compounds | 3.89E-07 | 3.89E-07 | 6.85E-07 | 1.30E-06 | 1.34E-06 | 1. | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | McLeod County | 27085 | U | Formaldehyde | 3.05E-01 | 3.05E-01 | 3.29E-01 | 4.04E-01 | 3.89E-01 | 4.24E-01 | 5.05E-01 | 5.05E-01 | 2.24E-04 | 3.51E-03 | 8.26E-02 | 5.23E-02 | 2.50E-01 | |
| Minnesota | McLeod County | 27085 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.36E-05 | 9.36E-05 | 9.40E-05 | 9.44E-05 | 9.44E-05 | 0.00E+00 | 6.23E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | McLeod County | 27085 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.75E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | McLeod County | 27085 | U | Hexamethylene Diisocyanate | 1.95E-05 | 1.95E-05 | 2.02E-05 | 2.37E-05 | 1.01E-04 | 1.06E-04 | 4.61E-04 | 4.61E-04 | 0.00E+00 | 1.01E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Hydrazine | 3.84E-10 | 3.84E-10 | 1.59E-09 | 2.22E-09 | 9.01E-09 | 9.99E-09 | 3.69E-08 | 3.69E-08 | 0.00E+00 | 9.01E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Lead Compounds | 4.19E-05 | 4.19E-05 | 6.50E-05 | 1.61E-04 | 2.74E-04 | 2.93E-04 | 1.06E-03 | 7.85E-10 | 5.07E-05 | 0.00E+00 | 2.23E-04 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Manganese Compounds | 3.71E-06 | 3.71E-06 | 1.36E-05 | 2.00E-05 | 1.84E-05 | 2.22E-05 | 3.36E-05 | 3.36E-05 | 5.75E-10 | 1.48E-05 | 2.92E-06 | 6.76E-07 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 1.55E-03 | 1.55E-03 | 5.07E-10 | 2.55E-06 | 1.64E-05 | 6.68E-06 | 1.50E-03 | |
| Minnesota | McLeod County | 27085 | U | Methylene Chloride | 1.63E-01 | 1.63E-01 | 1.81E-01 | 3.22E-01 | 2.88E-01 | 3.58E-01 | 4.57E-01 | 4.57E-01 | 4.00E-04 | 1.38E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | McLeod County | 27085 | U | Nickel Compounds | 2.07E-05 | 2.07E-05 | 4.28E-05 | 1.54E-04 | 1.70E-04 | 2.60E-04 | 4.13E-04 | 4.13E-04 | 3.04E-09 | 1.62E-04 | 6.84E-06 | 1.13E-06 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Perchloroethylene | 1.42E-01 | 1.42E-01 | 1.43E-01 | 1.50E-01 | 1.49E-01 | 1.54E-01 | 1.60E-01 | 1.60E-01 | 0.00E+00 | 9.14E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | McLeod County | 27085 | U | Polychlorinated Biphenyls | 3.89E-04 | 3.89E-04 | 3.96E-04 | 4.47E-04 | 4.45E-04 | 4.93E-04 | 5.33E-04 | 5.33E-04 | 0.00E+00 | 6.47E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | McLeod County | 27085 | U | Polycyclic Organic Matter | 4.94E-03 | 4.94E-03 | 1.00E-02 | 2.22E-02 | 2.10E-02 | 2.97E-02 | 4.20E-02 | 4.20E-02 | 1.25E-09 | 1.77E-02 | 2.71E-03 | 5.85E-04 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | 7-PAH | 1.71E-04 | 1.71E-04 | 3.88E-04 | 6.75E-04 | 6.00E-04 | 7.72E-04 | 1.05E-03 | 2.03E-11 | 5.73E-04 | 2.06E-05 | 7.00E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Propylene Dichloride | 3.04E-07 | 3.04E-07 | 4.69E-07 | 4.91E-07 | 5.97E-07 | 6.86E-07 | 1.21E-06 | 1.21E-06 | 0.00E+00 | 5.97E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Quinoline | 4.76E-09 | 4.76E-09 | 1.13E-08 | 2.47E-08 | 3.38E-08 | 3.12E-08 | 1.12E-07 | 1.12E-07 | 0.00E+00 | 3.38E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | 1,1,2,2-Tetrachloroethane | 2.13E-06 | 2.13E-06 | 2.52E-06 | 2.96E-06 | 3.71E-06 | 4.75E-06 | 7.30E-06 | 7.30E-06 | 0.00E+00 | 3.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | McLeod County | 27085 | U | Trichloroethylene | 8.35E-02 | 8.35E-02 | 8.36E-02 | 8.84E-02 | 1.02E-01 | 1.18E-01 | 1.50E-01 | 1.50E-01 | 0.00E+00 | 2.08E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | McLeod County | 27085 | U | Vinyl Chloride | 1.58E-04 | 1.58E-04 | 1.59E-04 | 1.64E-04 | 2.43E-04 | 2.02E-04 | 6.81E-04 | 6.81E-04 | 0.00E+00 | 2.43E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Acetaldehyde | 3.27E-02 | 3.27E-02 | 3.27E-02 | 3.62E-02 | 3.62E-02 | 3.97E-02 | 3.97E-02 | 3.97E-02 | 1.50E-06 | 2.08E-03 | 1.62E-02 | 1.79E-02 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Acrolein | 5.17E-03 | 5.17E-03 | 5.17E-03 | 5.69E-03 | 5.69E-03 | 6.20E-03 | 6.20E-03 | 6.20E-03 | 2.71E-09 | 2.52E-03 | 9.51E-04 | 2.22E-03 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Acrylonitrile | 3.29E-06 | 3.29E-06 | 3.29E-06 | 6.90E-06 | 6.90E-06 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 0.00E+00 | 6.90E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Arsenic Compounds | 3.36E-06 | 3.36E-06 | 3.36E-06 | 4.33E-06 | 4.33E-06 | 5.29E-06 | 5.29E-06 | 5.29E-06 | 1.44E-07 | 1.57E-07 | 1.33E-06 | 2.69E-06 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Benzene | 5.28E-01 | 5.28E-01 | 5.28E-01 | 5.28E-01 | 5.28E-01 | 5.28E-01 | 5.28E-01 | 5.28E-01 | 7.97E-06 | 1.30E-02 | 1.01E-02 | 2.47E-02 | 4.80E-01 | |
| Minnesota | Mahnomen County | 27087 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Beryllium Compounds | 1.67E-07 | 1.67E-07 | 1.67E-07 | 3.23E-07 | 4.78E-07 | 4.78E-07 | 4.78E-07 | 7.48E-12 | 6.92E-08 | 0.00E+00 | 2.53E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | 1,3-Butadiene | 2.93E-03 | 2.93E-03 | 2.93E-03 | 3.15E-03 | 3.15E-03 | 3.38E-03 | 3.38E-03 | 3.38E-03 | 0.00E+00 | 5.90E-04 | 6.31E-04 | 1.93E-03 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Cadmium Compounds | 3.44E-06 | 3.44E-06 | 3.44E-06 | 3.53E-06 | 3.53E-06 | 3.61E-06 | 3.61E-06 | 3.61E-06 | 3.05E-06 | 2.25E-07 | 0.00E+00 | 2.53E-07 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 0.00E+00 | 2.08E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Mahnomen County | 27087 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.87E-06 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Mahnomen County | 27087 | R | Chloroform | 8.35E-02 | 8.35E-02 | 8.35E-02 | 8.36E-02 | 8.36E-02 | 8.37E-02 | 8.37E-02 | 8.37E-02 | 0.00E+00 | 5.97E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Mahnomen County | 27087 | R | Chromium Compounds (includes Hexavalent) | 1.87E-06 | 1.87E-06 | 1.87E-06 | 2.14E-06 | 2.14E-06 | 2.42E-06 | 2.42E-06 | 2.42E-06 | 7.49E-07 | 3.17E-07 | 7.83E-07 | 2.95E-07 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Chromium VI | 4.63E-07 | 4.63E-07 | 4.63E-07 | 5.91E-07 | 5.91E-07 | 7.19E-07 | 7.19E-07 | 7.19E-07 | 5.00E-08 | 1.26E-07 | 3.15E-07 | 1.00E-07 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | 1,4-Dichlorobenzene | 3.99E-04 | 3.99E-04 | 3.99E-04 | 4.82E-04 | 4.82E-04 | 5.65E-04 | 5.65E-04 | 5.65E-04 | 0.00E+00 | 4.82E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | 1,3-Dichloropropene | 1.56E-03 | 1.56E-03 | 1.56E-03 | 1.88E-03 | 1.88E-03 | 2.21E-03 | 2.21E-03 | 2.21E-03 | 0.00E+00 | 1.88E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 3.74E-09 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Mahnomen County | 27087 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 6.62E-07 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Mahnomen County | 27087 | R | Ethylene Oxide | 8.02E-05 | 8.02E-05 | 8.02E-05 | 9.72E-05 | 9.72E-05 | 1.14E-04 | 1.14E-04 | 1.14E-04 | 0.00E+00 | 9.72E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Formaldehyde | 3.07E-01 | 3.07E-01 | 3.07E-01 | 3.08E-01 | 3.08E-01 | 3.09E-01 | 3.09E-01 | 3.09E-01 | 2.19E-04 | 9.78E-03 | 7.48E-03 | 4.06E-02 | 2.50E-01 | |
| Minnesota | Mahnomen County | 27087 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 9.02E-08 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Mahnomen County | 27087 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.83E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Mahnomen County | 27087 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Hydrazine | 2.42E-11 | 2.42E-11 | 2.42E-11 | 3.88E-11 | 3.88E-11 | 5.34E-11 | 5.34E-11 | 5.34E-11 | 0.00E+00 | 3.88E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Lead Compounds | 2.50E-04 | 2.50E-04 | 2.50E-04 | 2.78E-04 | 2.78E-04 | 3.06E-04 | 3.06E-04 | 3.06E-04 | 2.70E-04 | 1.79E-06 | 0.00E+00 | 6.61E-06 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Manganese Compounds | 4.77E-06 | 4.77E-06 | 4.77E-06 | 6.92E-06 | 6.92E-06 | 9.07E-06 | 9.07E-06 | 9.07E-06 | 7.30E-07 | 5.68E-06 | 2.35E-07 | 2.72E-07 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 4.15E-06 | 4.88E-07 | 1.58E-06 | 2.52E-06 | 1.50E-03 | |
| Minnesota | Mahnomen County | 27087 | R | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 0.00E+00 | 2.43E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Mahnomen County | 27087 | R | Nickel Compounds | 2.88E-06 | 2.88E-06 | 2.88E-06 | 4.74E-06 | 4.74E-06 | 6.60E-06 | 6.60E-06 | 6.60E-06 | 1.15E-06 | 2.55E-06 | 5.87E-07 | 4.49E-07 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 0.00E+00 | 4.76E-04 | 0.00E+00 | 1.40E-01 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Polychlorinated Biphenyls | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.85E-04 | 3.85E-04 | 3.88E-04 | 3.88E-04 | 3.88E-04 | 0.00E+00 | 5.03E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Mahnomen County | 27087 | R | Polycyclic Organic Matter | 2.49E-03 | 2.49E-03 | 2.49E-03 | 2.58E-03 | 2.58E-03 | 2.67E-03 | 2.67E-03 | 2.67E-03 | 2.00E-05 | 2.10E-03 | 2.36E-04 | 2.19E-04 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | 7-PAH | 1.69E-04 | 1.69E-04 | 1.69E-04 | 1.91E-04 | 1.91E-04 | 2.13E-04 | 2.13E-04 | 2.13E-04 | 1.00E-08 | 1.81E-04 | 1.81E-06 | 8.62E-06 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Propylene Dichloride | 3.20E-08 | 3.20E-08 | 3.20E-08 | 5.34E-08 | 5.34E-08 | 7.48E-08 | 7.48E-08 | 7.48E-08 | 0.00E+00 | 5.34E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Quinoline | 5.17E-10 | 5.17E-10 | 5.17E-10 | 6.79E-10 | 6.79E-10 | 8.41E-10 | 8.41E-10 | 8.41E-10 | 0.00E+00 | 6.79E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | 1,1,2,2-Tetrachloroethane | 7.61E-07 | 7.61E-07 | 7.61E-07 | 1.70E-06 | 1.70E-06 | 2.65E-06 | 2.65E-06 | 2.65E-06 | 0.00E+00 | 1.70E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mahnomen County | 27087 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.12E-02 | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Marshall County | 27089 | R | Beryllium Compounds | 6.15E-08 | 6.15E-08 | 1.02E-07 | 1.87E-07 | 2.28E-07 | 3.55E-07 | 4.77E-07 | 4.77E-07 | 1.03E-07 | 5.63E-08 | 0.00E+00 | 6.90E-08 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | 1,3-Butadiene | 1.19E-03 | 1.19E-03 | 1.21E-03 | 1.29E-03 | 1.35E-03 | 1.49E-03 | 1.63E-03 | 1.63E-03 | 2.21E-07 | 2.89E-04 | 4.99E-04 | 5.65E-04 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Cadmium Compounds | 1.47E-07 | 1.47E-07 | 2.43E-07 | 6.68E-07 | 6.80E-07 | 1.12E-06 | 1.24E-06 | 1.24E-06 | 2.60E-07 | 3.51E-07 | 0.00E+00 | 6.87E-08 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 7.71E-07 | 1.63E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Marshall County | 27089 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 1.05E-07 | 4.50E-06 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Marshall County | 27089 | R | Chloroform | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 1.36E-07 | 9.86E-05 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Marshall County | 27089 | R | Chromium Compounds (includes Hexavalent) | 5.53E-07 | 5.53E-07 | 6.92E-07 | 2.34E-06 | 2.68E-06 | 4.67E-06 | 5.50E-06 | 5.50E-06 | 1.35E-06 | 6.50E-07 | 5.96E-07 | 8.57E-08 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Chromium VI | 2.16E-07 | 2.16E-07 | 2.69E-07 | 9.34E-07 | 1.24E-06 | 2.21E-06 | 2.87E-06 | 2.87E-06 | 7.39E-07 | 2.33E-07 | 2.37E-07 | 2.91E-08 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | 1,4-Dichlorobenzene | 2.18E-04 | 2.18E-04 | 2.67E-04 | 3.23E-04 | 3.60E-04 | 4.52E-04 | 5.75E-04 | 5.75E-04 | 0.00E+00 | 3.60E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | 1,3-Dichloropropene | 8.47E-04 | 8.47E-04 | 9.90E-04 | 1.21E-03 | 1.33E-03 | 1.68E-03 | 2.08E-03 | 2.08E-03 | 7.26E-08 | 1.33E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.24E-06 | 2.62E-09 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Marshall County | 27089 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 2.38E-07 | 4.27E-07 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Marshall County | 27089 | R | Ethylene Oxide | 4.48E-05 | 4.48E-05 | 5.18E-05 | 6.46E-05 | 7.23E-05 | 9.28E-05 | 1.15E-04 | 1.15E-04 | 0.00E+00 | 7.23E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Formaldehyde | 2.85E-01 | 2.85E-01 | 2.87E-01 | 3.00E-01 | 3.02E-01 | 3.16E-01 | 3.21E-01 | 3.21E-01 | 1.16E-04 | 8.27E-03 | 6.16E-03 | 3.71E-02 | 2.50E-01 | |
| Minnesota | Marshall County | 27089 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 9.72E-08 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Marshall County | 27089 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.20E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Marshall County | 27089 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Hydrazine | 2.30E-12 | 2.30E-12 | 8.50E-12 | 2.12E-11 | 3.58E-11 | 6.32E-11 | 9.87E-11 | 9.87E-11 | 0.00E+00 | 3.58E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Lead Compounds | 9.55E-06 | 9.55E-06 | 1.25E-05 | 2.52E-05 | 4.04E-05 | 6.83E-05 | 1.02E-04 | 1.02E-04 | 3.75E-06 | 2.42E-06 | 0.00E+00 | 3.42E-05 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Manganese Compounds | 6.65E-07 | 6.65E-07 | 1.02E-06 | 5.19E-06 | 5.55E-06 | 1.01E-05 | 1.11E-05 | 1.11E-05 | 2.39E-06 | 2.74E-06 | 1.88E-07 | 2.28E-07 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 4.94E-07 | 5.73E-07 | 1.18E-06 | 2.58E-06 | 1.50E-03 | |
| Minnesota | Marshall County | 27089 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.52E-01 | 1.52E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.91E-06 | 1.88E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Marshall County | 27089 | R | Nickel Compounds | 2.49E-06 | 2.49E-06 | 2.83E-06 | 6.41E-06 | 6.95E-06 | 1.11E-05 | 1.25E-05 | 1.25E-05 | 1.34E-06 | 4.83E-06 | 4.44E-07 | 3.28E-07 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 2.47E-07 | 9.90E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Marshall County | 27089 | R | Polychlorinated Biphenyls | 3.81E-04 | 3.81E-04 | 3.82E-04 | 3.83E-04 | 3.83E-04 | 3.85E-04 | 3.86E-04 | 3.86E-04 | 0.00E+00 | 3.35E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Marshall County | 27089 | R | Polycyclic Organic Matter | 1.33E-03 | 1.33E-03 | 1.33E-03 | 1.46E-03 | 1.59E-03 | 1.84E-03 | 2.09E-03 | 2.09E-03 | 6.08E-07 | 1.26E-03 | 1.81E-04 | 1.40E-04 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | 7-PAH | 9.43E-05 | 9.43E-05 | 9.64E-05 | 1.06E-04 | 1.12E-04 | 1.28E-04 | 1.42E-04 | 1.42E-04 | 3.98E-09 | 1.09E-04 | 1.42E-06 | 2.26E-06 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Propylene Dichloride | 2.46E-08 | 2.46E-08 | 3.18E-08 | 4.69E-08 | 4.70E-08 | 6.23E-08 | 6.97E-08 | 6.97E-08 | 0.00E+00 | 4.70E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Quinoline | 3.27E-11 | 3.27E-11 | 1.51E-10 | 3.93E-10 | 6.51E-10 | 1.15E-09 | 1.79E-09 | 1.79E-09 | 0.00E+00 | 6.51E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | 1,1,2,2-Tetrachloroethane | 3.17E-09 | 3.17E-09 | 3.28E-07 | 1.36E-06 | 1.33E-06 | 2.34E-06 | 2.62E-06 | 2.62E-06 | 1.15E-07 | 1.22E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Marshall County | 27089 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.12E-02 | 8.12E-02 | 0.00E+00 | 1.33E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Marshall County | 27089 | R | Vinyl Chloride | 1.90E-08 | 1.90E-08 | 6.44E-07 | 2.30E-06 | 2.43E-06 | 4.22E-06 | 5.10E-06 | 5.10E-06 | 4.28E-08 | 2.39E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Acetaldehyde | 6.24E-02 | 6.24E-02 | 1.10E-01 | 1.37E-01 | 1.93E-01 | 3.54E-01 | 3.58E-01 | 3.58E-01 | 0.00E+00 | 8.00E-02 | 8.60E-02 | 2.72E-02 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Acrolein | 3.29E-03 | 3.29E-03 | 4.68E-03 | 6.18E-03 | 7.68E-03 | 1.27E-02 | 1.31E-02 | 1.31E-02 | 0.00E+00 | 9.19E-04 | 4.74E-03 | 2.02E-03 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Acrylonitrile | 2.40E-05 | 2.40E-05 | 3.95E-05 | 5.19E-05 | 7.42E-05 | 1.38E-04 | 1.40E-04 | 1.40E-04 | 0.00E+00 | 7.42E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Arsenic Compounds | 6.26E-06 | 6.26E-06 | 1.08E-05 | 1.66E-05 | 1.99E-05 | 3.42E-05 | 3.48E-05 | 3.48E-05 | 2.32E-09 | 1.57E-06 | 1.03E-05 | 7.96E-06 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Benzene | 5.21E-01 | 5.21E-01 | 5.48E-01 | 5.82E-01 | 6.53E-01 | 8.40E-01 | 8.44E-01 | 8.44E-01 | 1.88E-04 | 5.46E-02 | 8.87E-02 | 2.96E-02 | 4.80E-01 | |
| Minnesota | Martin County | 27091 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Beryllium Compounds | 1.64E-07 | 1.64E-07 | 2.47E-07 | 2.98E-07 | 4.47E-07 | 8.34E-07 | 8.41E-07 | 8.41E-07 | 1.41E-10 | 3.72E-07 | 0.00E+00 | 7.45E-08 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | 1,3-Butadiene | 1.66E-03 | 1.66E-03 | 3.81E-03 | 7.29E-03 | 1.17E-02 | 2.51E-02 | 2.53E-02 | 2.53E-02 | 0.00E+00 | 4.73E-05 | 8.85E-03 | 2.85E-03 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Cadmium Compounds | 2.90E-07 | 2.90E-07 | 5.09E-07 | 5.39E-07 | 9.57E-07 | 1.92E-06 | 1.95E-06 | 1.95E-06 | 1.31E-08 | 8.69E-07 | 0.00E+00 | 7.43E-08 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.72E-02 | 4.76E-02 | 4.76E-02 | 4.76E-02 | 0.00E+00 | 2.26E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Martin County | 27091 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 9.26E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Martin County | 27091 | R | Chloroform | 8.42E-02 | 8.42E-02 | 8.52E-02 | 8.58E-02 | 9.31E-02 | 1.09E-01 | 1.09E-01 | 1.09E-01 | 0.00E+00 | 1.01E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Martin County | 27091 | R | Chromium Compounds (includes Hexavalent) | 1.78E-06 | 1.78E-06 | 3.30E-06 | 5.54E-06 | 8.05E-06 | 1.60E-05 | 1.62E-05 | 1.62E-05 | 1.66E-08 | 1.15E-06 | 6.54E-06 | 3.35E-07 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Chromium VI | 7.22E-07 | 7.22E-07 | 1.42E-06 | 2.24E-06 | 3.39E-06 | 6.81E-06 | 6.88E-06 | 6.88E-06 | 9.29E-09 | 6.25E-07 | 2.64E-06 | 1.14E-07 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | 1,4-Dichlorobenzene | 6.72E-04 | 6.72E-04 | 1.17E-03 | 1.43E-03 | 4.92E-03 | 1.24E-02 | 1.24E-02 | 1.24E-02 | 0.00E+00 | 4.92E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | 1,3-Dichloropropene | 2.30E-03 | 2.30E-03 | 4.51E-03 | 5.59E-03 | 1.98E-02 | 5.05E-02 | 5.06E-02 | 5.06E-02 | 0.00E+00 | 1.98E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 7.55E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Martin County | 27091 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 0.00E+00 | 4.72E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Martin County | 27091 | R | Ethylene Oxide | 1.07E-04 | 1.07E-04 | 2.22E-04 | 2.86E-04 | 1.11E-03 | 2.88E-03 | 2.88E-03 | 2.88E-03 | 0.00E+00 | 1.11E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Martin County | 27091 | R | Formaldehyde | 2.95E-01 | 2.95E-01 | 3.18E-01 | 3.42E-01 | 3.53E-01 | 4.09E-01 | 4.12E-01 | 4.12E-01 | 1.23E-06 | 1.87E-03 | 5.26E-02 | 4.84E-02 | 2.50E-01 | |
| Minnesota | Martin County | 27091 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.34E-05 | 9.38E-05 | 9.38E-05 | 9.38E-05 | 0.00E+00 | 3.72E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Martin County | 27091 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.47E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Martin County | 27091 | R | Hexamethylene Diisocyanate | 1.13E-06 | 1.13E-06 | 1.64E-06 | 5.27E-06 | 5.00E-06 | 6.28E-06 | 1.04E-05 | 1.04E-05 | 5. | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Mille Lacs County | 27095 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.82E-08 | 2.79E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Mille Lacs County | 27095 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.39E-07 | 5.20E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Mille Lacs County | 27095 | R | Ethylene Oxide | 2.04E-04 | 2.04E-04 | 2.52E-04 | 8.33E-04 | 9.30E-04 | 1.02E-03 | 2.99E-03 | 2.99E-03 | 0.00E+00 | 9.30E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Formaldehyde | 2.95E-01 | 2.95E-01 | 2.97E-01 | 3.18E-01 | 3.50E-01 | 3.51E-01 | 5.63E-01 | 5.63E-01 | 1.26E-03 | 1.23E-02 | 6.10E-02 | 2.52E-02 | 2.50E-01 | |
| Minnesota | Mille Lacs County | 27095 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.41E-05 | 9.41E-05 | 0.00E+00 | 3.46E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Mille Lacs County | 27095 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.48E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Mille Lacs County | 27095 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 2.09E-08 | 0.00E+00 | 1.47E-07 | 1.47E-07 | 1.92E-08 | 1.73E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Hydrazine | 1.56E-11 | 1.56E-11 | 6.51E-11 | 8.61E-10 | 2.00E-09 | 1.72E-09 | 9.23E-09 | 9.23E-09 | 0.00E+00 | 2.00E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Lead Compounds | 9.75E-06 | 9.75E-06 | 1.94E-05 | 1.77E-04 | 2.05E-04 | 3.17E-04 | 6.86E-04 | 6.86E-04 | 1.76E-05 | 4.00E-05 | 0.00E+00 | 1.47E-04 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Manganese Compounds | 1.36E-05 | 1.36E-05 | 2.99E-05 | 7.99E-05 | 7.53E-05 | 1.16E-04 | 1.70E-04 | 1.70E-04 | 4.61E-05 | 2.66E-05 | 2.09E-06 | 4.24E-07 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.57E-03 | 1.57E-03 | 1.55E-06 | 2.07E-06 | 1.33E-05 | 3.09E-06 | 1.50E-03 | |
| Minnesota | Mille Lacs County | 27095 | R | Methylene Chloride | 1.56E-01 | 1.56E-01 | 1.57E-01 | 1.67E-01 | 1.71E-01 | 1.72E-01 | 2.15E-01 | 2.15E-01 | 2.87E-05 | 2.09E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Mille Lacs County | 27095 | R | Nickel Compounds | 9.14E-06 | 9.14E-06 | 9.32E-06 | 1.18E-04 | 9.86E-05 | 1.70E-04 | 2.51E-04 | 2.51E-04 | 5.13E-05 | 4.04E-05 | 4.94E-06 | 1.95E-06 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.45E-01 | 1.47E-01 | 1.52E-01 | 1.66E-01 | 1.66E-01 | 1.34E-04 | 7.36E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Mille Lacs County | 27095 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.88E-04 | 4.03E-04 | 4.19E-04 | 4.28E-04 | 5.14E-04 | 5.14E-04 | 6.55E-09 | 3.92E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Mille Lacs County | 27095 | R | Polycyclic Organic Matter | 5.45E-03 | 5.45E-03 | 5.67E-03 | 1.40E-02 | 1.39E-02 | 1.65E-02 | 3.45E-02 | 3.45E-02 | 2.56E-04 | 1.14E-02 | 1.91E-03 | 3.56E-04 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | 7-PAH | 3.50E-04 | 3.50E-04 | 3.74E-04 | 5.64E-04 | 6.27E-04 | 7.65E-04 | 1.23E-03 | 1.23E-03 | 1.07E-08 | 6.03E-04 | 1.55E-05 | 8.11E-06 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Propylene Dichloride | 8.98E-08 | 8.98E-08 | 1.19E-07 | 3.27E-07 | 4.80E-07 | 4.67E-07 | 1.76E-06 | 1.76E-06 | 0.00E+00 | 4.80E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Quinoline | 2.81E-10 | 2.81E-10 | 1.22E-09 | 4.68E-09 | 7.47E-09 | 7.31E-09 | 2.86E-08 | 2.86E-08 | 0.00E+00 | 7.47E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | 1,1,2,2-Tetrachloroethane | 5.03E-06 | 5.03E-06 | 5.14E-06 | 5.72E-06 | 9.14E-06 | 1.35E-05 | 2.13E-05 | 2.13E-05 | 0.00E+00 | 9.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mille Lacs County | 27095 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.16E-02 | 8.25E-02 | 8.34E-02 | 8.32E-02 | 9.01E-02 | 9.01E-02 | 1.42E-07 | 2.36E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Mille Lacs County | 27095 | R | Vinyl Chloride | 1.71E-05 | 1.71E-05 | 2.01E-05 | 4.34E-05 | 4.54E-05 | 7.22E-05 | 9.20E-05 | 9.20E-05 | 4.86E-07 | 6.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Acetaldehyde | 5.23E-02 | 5.23E-02 | 7.54E-02 | 1.00E-01 | 1.17E-01 | 2.53E-01 | 4.99E-01 | 4.99E-01 | 1.30E-06 | 6.49E-02 | 9.59E-02 | 1.53E-02 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Acrolein | 5.89E-03 | 5.89E-03 | 6.82E-03 | 7.37E-03 | 9.95E-03 | 1.23E-02 | 2.08E-02 | 2.08E-02 | 9.28E-08 | 3.18E-03 | 4.96E-03 | 1.81E-03 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Acrylonitrile | 1.45E-05 | 1.45E-05 | 2.04E-05 | 4.51E-05 | 6.99E-05 | 1.10E-04 | 1.94E-04 | 1.94E-04 | 0.00E+00 | 6.99E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Arsenic Compounds | 5.03E-06 | 5.03E-06 | 7.04E-06 | 8.90E-06 | 2.24E-05 | 3.36E-05 | 7.54E-05 | 7.54E-05 | 2.18E-07 | 8.40E-06 | 9.82E-06 | 4.00E-06 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Benzene | 5.37E-01 | 5.37E-01 | 5.46E-01 | 5.56E-01 | 6.37E-01 | 6.92E-01 | 9.72E-01 | 9.72E-01 | 3.25E-06 | 6.32E-02 | 7.38E-02 | 2.04E-02 | 4.80E-01 | |
| Minnesota | Morrison County | 27097 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Beryllium Compounds | 2.79E-07 | 2.79E-07 | 5.24E-07 | 1.01E-06 | 2.20E-06 | 3.14E-06 | 7.97E-06 | 7.97E-06 | 1.07E-09 | 4.60E-07 | 0.00E+00 | 1.74E-06 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | 1,3-Butadiene | 2.52E-03 | 2.52E-03 | 2.61E-03 | 2.65E-03 | 8.92E-03 | 1.28E-02 | 3.27E-02 | 3.27E-02 | 0.00E+00 | 6.88E-04 | 6.49E-03 | 1.74E-03 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Cadmium Compounds | 9.01E-07 | 9.01E-07 | 1.20E-06 | 1.74E-06 | 4.71E-06 | 7.17E-06 | 1.66E-05 | 1.66E-05 | 1.19E-07 | 2.85E-06 | 0.00E+00 | 1.74E-06 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.73E-02 | 4.74E-02 | 4.82E-02 | 4.82E-02 | 3.78E-07 | 2.97E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Morrison County | 27097 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 9.78E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Morrison County | 27097 | R | Chloroform | 8.37E-02 | 8.37E-02 | 8.40E-02 | 8.48E-02 | 8.67E-02 | 8.86E-02 | 9.51E-02 | 9.51E-02 | 0.00E+00 | 3.70E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Morrison County | 27097 | R | Chromium Compounds (includes Hexavalent) | 1.08E-05 | 1.08E-05 | 1.56E-05 | 9.47E-05 | 8.58E-05 | 1.46E-04 | 1.64E-04 | 1.64E-04 | 7.78E-07 | 7.84E-05 | 5.93E-06 | 6.17E-07 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Chromium VI | 7.87E-06 | 7.87E-06 | 9.45E-06 | 1.33E-05 | 1.97E-05 | 2.79E-05 | 4.81E-05 | 4.81E-05 | 4.18E-07 | 1.66E-05 | 2.40E-06 | 2.10E-07 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | 1,4-Dichlorobenzene | 1.12E-03 | 1.12E-03 | 1.34E-03 | 2.09E-03 | 4.82E-03 | 6.97E-03 | 1.66E-02 | 1.66E-02 | 0.00E+00 | 4.82E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | 1,3-Dichloropropene | 4.32E-03 | 4.32E-03 | 5.17E-03 | 7.95E-03 | 1.92E-02 | 2.79E-02 | 6.75E-02 | 6.75E-02 | 0.00E+00 | 1.92E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 8.69E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Morrison County | 27097 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 1.16E-07 | 3.94E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Morrison County | 27097 | R | Ethylene Oxide | 2.40E-04 | 2.40E-04 | 2.90E-04 | 4.36E-04 | 1.13E-03 | 1.72E-03 | 3.93E-03 | 3.93E-03 | 0.00E+00 | 1.13E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Formaldehyde | 2.93E-01 | 2.93E-01 | 3.02E-01 | 3.08E-01 | 3.42E-01 | 3.70E-01 | 4.83E-01 | 4.83E-01 | 2.68E-04 | 1.29E-02 | 4.99E-02 | 2.90E-02 | 2.50E-01 | |
| Minnesota | Morrison County | 27097 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.35E-05 | 9.37E-05 | 9.49E-05 | 9.49E-05 | 0.00E+00 | 4.87E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Morrison County | 27097 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.32E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Morrison County | 27097 | R | Hexamethylene Diisocyanate | 4.20E-05 | 4.20E-05 | 7.31E-05 | 2.42E-04 | 5.58E-04 | 7.18E-04 | 2.35E-03 | 2.35E-03 | 0.00E+00 | 5.58E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Hydrazine | 3.54E-11 | 3.54E-11 | 1.01E-10 | 1.31E-10 | 2.01E-09 | 2.76E-09 | 1.01E-08 | 1.01E-08 | 0.00E+00 | 2.01E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Lead Compounds | 3.52E-05 | 3.52E-05 | 9.94E-05 | 2.55E-04 | 3.47E-04 | 5.17E-04 | 9.96E-04 | 9.96E-04 | 1.39E-06 | 1.76E-04 | 0.00E+00 | 1.69E-04 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Manganese Compounds | 8.43E-05 | 8.43E-05 | 1.01E-04 | 1.59E-04 | 1.05E-03 | 1.87E-03 | 4.07E-03 | 4.07E-03 | 1.69E-06 | 1.05E-03 | 1.90E-06 | 4.73E-07 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.53E-03 | 1.57E-03 | 1.57E-03 | 6.64E-08 | 3.72E-06 | 1.16E-05 | 5.22E-06 | 1.50E-03 | |
| Minnesota | Morrison County | 27097 | R | Methylene Chloride | 1.56E-01 | 1.56E-01 | 1.58E-01 | 1.61E-01 | 1.85E-01 | 2.04E-01 | 2.81E-01 | 2.81E-01 | 8.02E-07 | 3.52E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Morrison County | 27097 | R | Nickel Compounds | 7.99E-06 | 7.99E-06 | 1.35E-05 | 8.21E-05 | 9.42E-05 | 1.45E-04 | 2.64E-04 | 2.64E-04 | 1.92E-07 | 8.86E-05 | 4.50E-06 | 9.43E-07 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.48E-01 | 1.45E-01 | 1.48E-01 | 1.58E-01 | 1.58E-01 | 1.19E-07 | 5.41E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Morrison County | 27097 | R | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.90E-04 | 3.94E-04 | 4.37E-04 | 4.62E-04 | 6.18E-04 | 6.18E-04 | 0.00E+00 | 5.69E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Morrison County | 27097 | R | Polycyclic Organic Matter | 5.04E-03 | 5.04E-03 | 6.49E-03 | 8.21E-03 | 1.55E-02 | 2.17E-02 | 4.64E-02 | 4.64E-02 | 2.00E-06 | 1.32E-02 | 1.78E-03 | 5.84E-04 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | 7-PAH | 2.92E-04 | 2.92E-04 | 3.66E-04 | 4.22E-04 | 6.93E-04 | 9.27E-04 | 1.82E-03 | 1.82E-03 | 2.77E-09 | 6.71E-04 | 1.37E-05 | 7.56E-06 | 0.00E+00 | |
| Minnesota | Morrison County | 27097 | R | Propylene Dichloride | 1.53E-07 | 1.53E-07 | 1.58E-07 | 1.68E-07 | 7.75E-07 | 1.11E-06 | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|---------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|------------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Mower County | 27099 | U | Arsenic Compounds | 6.78E-06 | 9.96E-06 | 1.11E-05 | 2.36E-05 | 2.15E-05 | 2.87E-05 | 3.07E-05 | 3.84E-05 | 4.23E-06 | 1.53E-06 | 9.34E-06 | 6.37E-06 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Benzene | 5.19E-01 | 5.34E-01 | 5.38E-01 | 6.45E-01 | 6.39E-01 | 6.86E-01 | 7.36E-01 | 8.53E-01 | 6.77E-05 | 4.70E-02 | 8.43E-02 | 2.71E-02 | 4.80E-01 | |
| Minnesota | Mower County | 27099 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Beryllium Compounds | 1.93E-07 | 4.29E-07 | 4.58E-07 | 6.06E-07 | 6.82E-07 | 9.09E-07 | 1.09E-06 | 1.15E-06 | 1.86E-07 | 4.71E-07 | 0.00E+00 | 2.48E-08 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | 1,3-Butadiene | 1.75E-03 | 2.47E-03 | 3.09E-03 | 1.29E-02 | 1.16E-02 | 1.66E-02 | 1.96E-02 | 2.68E-02 | 1.46E-10 | 6.22E-05 | 8.38E-03 | 3.18E-03 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Cadmium Compounds | 5.51E-07 | 1.72E-06 | 2.51E-06 | 4.58E-06 | 6.78E-06 | 1.18E-05 | 1.19E-05 | 1.24E-05 | 4.14E-06 | 2.61E-06 | 0.00E+00 | 2.46E-08 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Carbon Disulfide | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.73E-02 | 4.73E-02 | 4.75E-02 | 4.77E-02 | 4.78E-02 | 9.57E-07 | 3.04E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Mower County | 27099 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 1.14E-07 | 1.48E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Mower County | 27099 | U | Chloroform | 8.35E-02 | 8.37E-02 | 8.39E-02 | 8.65E-02 | 8.76E-02 | 9.00E-02 | 9.42E-02 | 9.48E-02 | 2.38E-05 | 4.61E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Mower County | 27099 | U | Chromium Compounds (includes Hexavalent) | 2.28E-06 | 8.52E-06 | 8.87E-06 | 1.81E-05 | 4.52E-05 | 8.54E-05 | 8.99E-05 | 9.04E-05 | 3.39E-05 | 4.53E-06 | 6.38E-06 | 3.97E-07 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Chromium VI | 8.88E-07 | 2.24E-06 | 2.64E-06 | 6.38E-06 | 6.79E-06 | 1.03E-05 | 1.09E-05 | 1.25E-05 | 2.84E-06 | 1.30E-06 | 2.52E-06 | 1.35E-07 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | 1,4-Dichlorobenzene | 8.59E-04 | 1.00E-03 | 1.05E-03 | 5.17E-03 | 7.47E-03 | 1.24E-02 | 1.85E-02 | 1.88E-02 | 0.00E+00 | 7.47E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | 1,3-Dichloropropene | 3.07E-03 | 3.73E-03 | 3.96E-03 | 2.08E-02 | 3.02E-02 | 5.06E-02 | 7.56E-02 | 7.66E-02 | 0.00E+00 | 3.02E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 9.06E-07 | 3.18E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Mower County | 27099 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 6.12E-02 | 6.13E-02 | 8.46E-07 | 1.04E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Mower County | 27099 | U | Ethylene Oxide | 1.48E-04 | 2.11E-04 | 2.11E-04 | 1.14E-03 | 1.73E-03 | 2.64E-03 | 4.07E-03 | 5.53E-03 | 0.00E+00 | 1.73E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Formaldehyde | 2.87E-01 | 2.98E-01 | 3.04E-01 | 3.50E-01 | 3.42E-01 | 3.67E-01 | 3.83E-01 | 4.13E-01 | 1.74E-05 | 3.76E-03 | 5.10E-02 | 3.74E-02 | 2.50E-01 | |
| Minnesota | Mower County | 27099 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.34E-05 | 9.36E-05 | 9.39E-05 | 9.39E-05 | 0.00E+00 | 3.85E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Mower County | 27099 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.33E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Mower County | 27099 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.33E-08 | 0.00E+00 | 6.24E-08 | 8.44E-08 | 0.00E+00 | 1.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Hydrazine | 1.38E-10 | 1.68E-10 | 1.77E-10 | 1.92E-10 | 2.10E-10 | 2.30E-10 | 2.33E-10 | 4.00E-10 | 0.00E+00 | 2.10E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Lead Compounds | 3.66E-05 | 6.22E-05 | 6.82E-05 | 1.40E-04 | 1.40E-04 | 1.94E-04 | 2.20E-04 | 2.99E-04 | 2.82E-05 | 3.16E-05 | 0.00E+00 | 8.04E-05 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Manganese Compounds | 2.92E-06 | 2.05E-05 | 4.14E-05 | 4.63E-05 | 4.15E-05 | 5.01E-05 | 5.29E-05 | 5.43E-05 | 1.59E-05 | 2.29E-05 | 2.14E-06 | 5.57E-07 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.53E-03 | 1.54E-03 | 1.54E-03 | 1.55E-03 | 9.82E-06 | 1.35E-06 | 1.00E-05 | 5.25E-06 | 1.50E-03 | |
| Minnesota | Mower County | 27099 | U | Methylene Chloride | 1.55E-01 | 1.55E-01 | 1.56E-01 | 1.85E-01 | 1.92E-01 | 2.12E-01 | 2.52E-01 | 2.62E-01 | 1.52E-05 | 4.21E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Mower County | 27099 | U | Nickel Compounds | 5.18E-06 | 1.15E-05 | 1.23E-05 | 1.75E-05 | 1.65E-05 | 2.12E-05 | 2.18E-05 | 2.61E-05 | 3.09E-06 | 7.66E-06 | 4.85E-06 | 8.79E-07 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.53E-01 | 1.52E-01 | 1.59E-01 | 1.64E-01 | 1.66E-01 | 1.32E-05 | 1.21E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Mower County | 27099 | U | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.85E-04 | 4.10E-04 | 4.22E-04 | 4.47E-04 | 4.82E-04 | 4.93E-04 | 1.72E-08 | 4.17E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Mower County | 27099 | U | Polycyclic Organic Matter | 4.03E-03 | 4.48E-03 | 4.61E-03 | 1.51E-02 | 1.68E-02 | 2.55E-02 | 3.46E-02 | 3.88E-02 | 1.39E-03 | 1.29E-02 | 1.92E-03 | 5.05E-04 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | 7-PAH | 1.63E-04 | 1.68E-04 | 1.73E-04 | 3.01E-04 | 3.47E-04 | 4.67E-04 | 6.35E-04 | 6.71E-04 | 3.63E-09 | 3.28E-04 | 1.38E-05 | 5.33E-06 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Propylene Dichloride | 1.20E-07 | 1.64E-07 | 2.25E-07 | 7.18E-07 | 7.87E-07 | 1.33E-06 | 1.77E-06 | 1.99E-06 | 0.00E+00 | 7.87E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Quinoline | 2.79E-09 | 3.64E-09 | 3.97E-09 | 4.17E-09 | 4.43E-09 | 4.91E-09 | 5.42E-09 | 6.96E-09 | 0.00E+00 | 4.43E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | 1,1,2,2-Tetrachloroethane | 8.61E-06 | 1.44E-05 | 1.57E-05 | 5.04E-05 | 4.73E-05 | 6.68E-05 | 7.31E-05 | 7.36E-05 | 0.00E+00 | 4.73E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Mower County | 27099 | U | Trichloroethylene | 8.14E-02 | 8.16E-02 | 8.16E-02 | 8.50E-02 | 8.55E-02 | 8.88E-02 | 9.18E-02 | 9.28E-02 | 2.25E-05 | 4.44E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Mower County | 27099 | U | Vinyl Chloride | 1.18E-04 | 1.63E-04 | 1.78E-04 | 1.21E-03 | 1.29E-03 | 2.26E-03 | 3.05E-03 | 3.38E-03 | 6.62E-06 | 1.28E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Acetaldehyde | 5.71E-02 | 5.71E-02 | 5.71E-02 | 9.58E-02 | 8.72E-02 | 1.09E-01 | 1.09E-01 | 1.09E-01 | 3.68E-08 | 1.64E-02 | 3.55E-02 | 3.52E-02 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Acrolein | 3.08E-03 | 3.08E-03 | 3.08E-03 | 5.18E-03 | 4.60E-03 | 5.54E-03 | 5.54E-03 | 5.54E-03 | 0.00E+00 | 3.27E-04 | 2.22E-03 | 2.05E-03 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Acrylonitrile | 1.55E-05 | 1.55E-05 | 1.55E-05 | 3.72E-05 | 3.04E-05 | 3.85E-05 | 3.85E-05 | 3.85E-05 | 0.00E+00 | 3.04E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Arsenic Compounds | 7.81E-06 | 7.81E-06 | 7.81E-06 | 1.23E-05 | 1.15E-05 | 1.44E-05 | 1.44E-05 | 1.44E-05 | 4.85E-07 | 4.57E-07 | 3.76E-06 | 6.80E-06 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Benzene | 5.20E-01 | 5.20E-01 | 5.20E-01 | 5.56E-01 | 5.48E-01 | 5.69E-01 | 5.69E-01 | 5.69E-01 | 3.29E-05 | 1.83E-02 | 2.67E-02 | 2.33E-02 | 4.80E-01 | |
| Minnesota | Murray County | 27101 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Beryllium Compounds | 1.31E-07 | 1.31E-07 | 1.31E-07 | 2.55E-07 | 2.19E-07 | 2.70E-07 | 2.70E-07 | 2.70E-07 | 4.03E-10 | 1.93E-07 | 0.00E+00 | 2.54E-08 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | 1,3-Butadiene | 1.98E-03 | 1.98E-03 | 1.98E-03 | 4.49E-03 | 4.06E-03 | 5.71E-03 | 5.71E-03 | 5.71E-03 | 0.00E+00 | 6.34E-05 | 1.95E-03 | 2.05E-03 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Cadmium Compounds | 5.95E-07 | 5.95E-07 | 5.95E-07 | 9.83E-07 | 8.60E-07 | 1.00E-06 | 1.00E-06 | 1.00E-06 | 8.00E-08 | 7.55E-07 | 0.00E+00 | 2.51E-08 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 0.00E+00 | 4.57E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Murray County | 27101 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.26E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Murray County | 27101 | R | Chloroform | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.33E-02 | 8.33E-02 | 8.33E-02 | 0.00E+00 | 2.38E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Murray County | 27101 | R | Chromium Compounds (includes Hexavalent) | 3.41E-06 | 3.41E-06 | 3.41E-06 | 3.64E-06 | 4.45E-06 | 6.31E-06 | 6.31E-06 | 6.31E-06 | 1.64E-06 | 3.86E-07 | 2.19E-06 | 2.39E-07 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Chromium VI | 1.32E-06 | 1.32E-06 | 1.32E-06 | 1.41E-06 | 1.65E-06 | 2.21E-06 | 2.21E-06 | 2.21E-06 | 5.57E-07 | 1.32E-07 | 8.76E-07 | 8.13E-08 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | 1,4-Dichlorobenzene | 5.84E-04 | 5.84E-04 | 5.84E-04 | 1.35E-03 | 1.12E-03 | 1.43E-03 | 1.43E-03 | 1.43E-03 | 0.00E+00 | 1.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | 1,3-Dichloropropene | 2.27E-03 | 2.27E-03 | 2.27E-03 | 5.35E-03 | 4.44E-03 | 5.71E-03 | 5.71E-03 | 5.71E-03 | 0.00E+00 | 4.44E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 2.10E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Murray County | 27101 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 4.02E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Murray County | 27101 | R | Ethylene Oxide | 1.22E-04 | 1.22E-04 | 1.22E-04 | 1.24E-04 | 2.34E-04 | 2.98E-04 | 2.98E-04 | 2.98E-04 | 0.00E+00 | 2.34E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Formaldehyde | 3.09E-01 | 3.09E-01 | 3.09E-01 | 3.37E-01 | 3.32E-01 | 3.50E-01 | 3.50E-01 | 3.50E-01 | 7.30E-06</ | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Murray County | 27101 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.57E-01 | 1.56E-01 | 1.57E-01 | 1.57E-01 | 1.57E-01 | 1.57E-01 | 0.00E+00 | 5.81E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Murray County | 27101 | R | Nickel Compounds | 3.52E-06 | 3.52E-06 | 3.52E-06 | 9.09E-06 | 7.24E-06 | 9.11E-06 | 9.11E-06 | 9.11E-06 | 9.11E-06 | 6.73E-08 | 4.76E-06 | 1.60E-06 | 8.11E-07 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.40E-01 |
| Minnesota | Murray County | 27101 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.85E-04 | 3.96E-04 | 3.92E-04 | 3.96E-04 | 3.96E-04 | 3.96E-04 | 3.96E-04 | 0.00E+00 | 1.22E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Murray County | 27101 | R | Polycyclic Organic Matter | 3.10E-03 | 3.10E-03 | 3.10E-03 | 5.66E-03 | 5.12E-03 | 6.60E-03 | 6.60E-03 | 6.60E-03 | 6.60E-03 | 2.47E-08 | 4.16E-03 | 6.50E-04 | 3.16E-04 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | 7-PAH | 1.37E-04 | 1.37E-04 | 1.37E-04 | 2.40E-04 | 2.22E-04 | 2.89E-04 | 2.89E-04 | 2.89E-04 | 4.33E-10 | 2.09E-04 | 5.31E-06 | 7.48E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Propylene Dichloride | 5.07E-08 | 5.07E-08 | 5.07E-08 | 1.42E-07 | 1.12E-07 | 1.43E-07 | 1.43E-07 | 1.43E-07 | 1.43E-07 | 0.00E+00 | 1.12E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Quinoline | 1.99E-11 | 1.99E-11 | 1.99E-11 | 2.23E-11 | 2.51E-11 | 3.31E-11 | 3.31E-11 | 3.31E-11 | 3.31E-11 | 0.00E+00 | 2.51E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | 1,1,2,2-Tetrachloroethane | 4.43E-06 | 4.43E-06 | 4.43E-06 | 1.04E-05 | 8.56E-06 | 1.08E-05 | 1.08E-05 | 1.08E-05 | 1.08E-05 | 0.00E+00 | 8.56E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Murray County | 27101 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.16E-02 | 8.15E-02 | 8.16E-02 | 8.16E-02 | 8.16E-02 | 8.16E-02 | 0.00E+00 | 4.65E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Murray County | 27101 | R | Vinyl Chloride | 3.09E-05 | 3.09E-05 | 3.09E-05 | 3.92E-05 | 3.82E-05 | 4.45E-05 | 4.45E-05 | 4.45E-05 | 4.45E-05 | 0.00E+00 | 3.82E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Acetaldehyde | 1.09E-01 | 1.09E-01 | 1.52E-01 | 1.99E-01 | 1.99E-01 | 7.73E-01 | 9.19E-01 | 9.19E-01 | 9.19E-01 | 1.96E-03 | 1.30E-01 | 2.26E-01 | 3.39E-02 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Acrolein | 4.76E-03 | 4.76E-03 | 7.07E-03 | 1.67E-02 | 1.92E-02 | 3.09E-02 | 3.89E-02 | 3.89E-02 | 3.89E-02 | 1.31E-04 | 3.13E-03 | 1.30E-02 | 2.85E-03 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Acrylonitrile | 2.61E-05 | 2.61E-05 | 4.73E-05 | 1.70E-04 | 1.40E-04 | 1.91E-04 | 2.33E-04 | 2.33E-04 | 2.33E-04 | 0.00E+00 | 1.40E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Arsenic Compounds | 8.54E-06 | 8.54E-06 | 1.23E-05 | 3.41E-05 | 4.35E-05 | 8.55E-05 | 8.65E-05 | 8.65E-05 | 8.65E-05 | 5.36E-06 | 6.20E-06 | 2.27E-05 | 9.33E-06 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Benzene | 5.38E-01 | 5.38E-01 | 5.56E-01 | 7.84E-01 | 8.49E-01 | 1.11E+00 | 1.32E+00 | 1.32E+00 | 1.32E+00 | 6.63E-05 | 1.19E-01 | 2.09E-01 | 4.07E-02 | 4.80E-01 | |
| Minnesota | Nicollet County | 27103 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Beryllium Compounds | 4.57E-07 | 4.57E-07 | 4.67E-07 | 2.42E-06 | 2.16E-06 | 3.10E-06 | 4.09E-06 | 4.09E-06 | 4.09E-06 | 8.94E-08 | 1.99E-06 | 0.00E+00 | 8.04E-08 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | 1,3-Butadiene | 2.04E-03 | 2.04E-03 | 2.48E-03 | 1.33E-02 | 2.30E-02 | 4.86E-02 | 5.80E-02 | 5.80E-02 | 5.80E-02 | 8.24E-09 | 2.38E-04 | 1.90E-02 | 3.72E-03 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Cadmium Compounds | 1.44E-06 | 1.44E-06 | 3.95E-06 | 8.04E-06 | 8.84E-06 | 1.49E-05 | 1.67E-05 | 1.67E-05 | 1.67E-05 | 4.20E-06 | 4.56E-06 | 0.00E+00 | 8.02E-08 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.75E-02 | 4.76E-02 | 4.79E-02 | 4.86E-02 | 4.86E-02 | 4.86E-02 | 8.30E-08 | 6.34E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Nicollet County | 27103 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.85E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Nicollet County | 27103 | U | Chloroform | 8.51E-02 | 8.51E-02 | 8.56E-02 | 9.19E-02 | 9.30E-02 | 9.50E-02 | 1.09E-01 | 1.09E-01 | 1.09E-01 | 0.00E+00 | 9.99E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Nicollet County | 27103 | U | Chromium Compounds (includes Hexavalent) | 1.31E-05 | 1.31E-05 | 1.83E-05 | 2.74E-05 | 3.81E-05 | 6.83E-05 | 7.44E-05 | 7.44E-05 | 7.44E-05 | 1.38E-05 | 8.52E-06 | 1.53E-05 | 5.00E-07 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Chromium VI | 3.87E-06 | 3.87E-06 | 6.28E-06 | 9.27E-06 | 1.30E-05 | 2.41E-05 | 2.55E-05 | 2.55E-05 | 2.55E-05 | 3.09E-06 | 3.75E-06 | 6.02E-06 | 1.70E-07 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | 1,4-Dichlorobenzene | 1.66E-03 | 1.66E-03 | 2.09E-03 | 1.76E-02 | 1.47E-02 | 1.81E-02 | 3.11E-02 | 3.11E-02 | 3.11E-02 | 0.00E+00 | 1.47E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | 1,3-Dichloropropene | 6.46E-03 | 6.46E-03 | 8.05E-03 | 7.14E-02 | 5.95E-02 | 7.32E-02 | 1.27E-01 | 1.27E-01 | 1.27E-01 | 0.00E+00 | 5.95E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.64E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Nicollet County | 27103 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 2.45E-08 | 4.55E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Nicollet County | 27103 | U | Ethylene Oxide | 4.67E-04 | 4.67E-04 | 4.93E-04 | 3.74E-03 | 3.17E-03 | 3.96E-03 | 6.61E-03 | 6.61E-03 | 6.61E-03 | 0.00E+00 | 3.77E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Formaldehyde | 3.02E-01 | 3.02E-01 | 3.20E-01 | 4.02E-01 | 4.48E-01 | 6.07E-01 | 6.54E-01 | 6.54E-01 | 6.54E-01 | 5.70E-03 | 7.12E-03 | 1.27E-01 | 5.79E-02 | 2.50E-01 | |
| Minnesota | Nicollet County | 27103 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.38E-05 | 9.36E-05 | 9.39E-05 | 9.39E-05 | 9.39E-05 | 9.39E-05 | 0.00E+00 | 6.12E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Nicollet County | 27103 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 9.39E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Nicollet County | 27103 | U | Hexamethylene Diisocyanate | 3.45E-08 | 3.45E-08 | 3.70E-08 | 5.08E-08 | 9.86E-08 | 7.13E-08 | 3.47E-07 | 3.47E-07 | 3.47E-07 | 0.00E+00 | 9.86E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Hydrazine | 6.96E-11 | 6.96E-11 | 2.24E-10 | 7.93E-10 | 2.75E-09 | 3.69E-09 | 1.09E-08 | 1.09E-08 | 1.09E-08 | 0.00E+00 | 2.75E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Lead Compounds | 9.70E-04 | 9.70E-04 | 4.34E-03 | 7.73E-03 | 8.85E-03 | 1.30E-02 | 1.93E-02 | 1.93E-02 | 1.93E-02 | 8.01E-03 | 6.97E-04 | 0.00E+00 | 1.37E-04 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Manganese Compounds | 1.00E-05 | 1.00E-05 | 3.26E-05 | 7.10E-05 | 1.77E-04 | 1.46E-04 | 7.31E-04 | 7.31E-04 | 7.31E-04 | 6.01E-06 | 1.65E-04 | 4.99E-06 | 7.95E-07 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.54E-03 | 1.55E-03 | 1.60E-03 | 1.60E-03 | 1.60E-03 | 1.60E-03 | 8.10E-06 | 9.23E-06 | 2.53E-05 | 7.83E-06 | 1.50E-03 | |
| Minnesota | Nicollet County | 27103 | U | Methylene Chloride | 1.60E-01 | 1.60E-01 | 1.67E-01 | 2.54E-01 | 2.88E-01 | 4.41E-01 | 4.55E-01 | 4.55E-01 | 4.55E-01 | 1.04E-05 | 1.38E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Nicollet County | 27103 | U | Nickel Compounds | 2.63E-05 | 2.63E-05 | 6.39E-05 | 2.15E-04 | 3.89E-04 | 8.00E-04 | 1.02E-03 | 1.02E-03 | 1.02E-03 | 6.41E-06 | 3.70E-04 | 1.14E-05 | 1.24E-06 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Perchloroethylene | 1.42E-01 | 1.42E-01 | 1.44E-01 | 1.58E-01 | 1.56E-01 | 1.62E-01 | 1.74E-01 | 1.74E-01 | 1.74E-01 | 2.52E-08 | 1.62E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Nicollet County | 27103 | U | Polychlorinated Biphenyls | 3.87E-04 | 3.87E-04 | 3.90E-04 | 4.61E-04 | 4.44E-04 | 4.81E-04 | 4.83E-04 | 4.83E-04 | 4.83E-04 | 0.00E+00 | 6.39E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Nicollet County | 27103 | U | Polycyclic Organic Matter | 5.56E-03 | 5.56E-03 | 6.68E-03 | 3.54E-02 | 3.24E-02 | 4.21E-02 | 6.93E-02 | 6.93E-02 | 6.93E-02 | 8.51E-06 | 2.71E-02 | 4.56E-03 | 7.07E-04 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | 7-PAH | 2.08E-04 | 2.08E-04 | 2.30E-04 | 7.09E-04 | 6.07E-04 | 8.49E-04 | 9.36E-04 | 9.36E-04 | 9.36E-04 | 1.04E-08 | 5.66E-04 | 3.32E-05 | 7.75E-06 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Propylene Dichloride | 2.21E-07 | 2.21E-07 | 2.75E-07 | 1.41E-06 | 1.71E-06 | 2.51E-06 | 4.44E-06 | 4.44E-06 | 4.44E-06 | 0.00E+00 | 1.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Quinoline | 1.90E-09 | 1.90E-09 | 4.66E-09 | 1.08E-08 | 1.66E-08 | 2.32E-08 | 4.81E-08 | 4.81E-08 | 4.81E-08 | 0.00E+00 | 1.66E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | 1,1,2,2-Tetrachloroethane | 6.20E-06 | 6.20E-06 | 1.26E-05 | 2.80E-05 | 2.79E-05 | 4.57E-05 | 4.72E-05 | 4.72E-05 | 4.72E-05 | 0.00E+00 | 2.79E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nicollet County | 27103 | U | Trichloroethylene | 8.20E-02 | 8.20E-02 | 8.25E-02 | 9.11E-02 | 9.24E-02 | 9.83E-02 | 1.09E-01 | 1.09E-01 | 1.09E-01 | 0.00E+00 | 1.14E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Nicollet County | 27103 | U | Vinyl Chloride | 1.71E-04 | 1.71E-04 | 1.85E-04 | 3.47E-04 | 5.23E-04 | 4.92E-04 | 1.60E-03 | 1.60E-03 | 1.60E-03 | 0.00E+00 | 5.23E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nobles County | 27105 | U | Acetaldehyde | 1.03E-01 | 1.03E-01 | 1.24E-01 | 5.48E-01 | 9.33E-01 | 1.92E+00 | 2.36E+00 | 2.36E+00 | 2.36E+00 | 0.00E+00 | 8.41E-01 | 6.96E-02 | 2.24E-02 | 0.00E+00 | |
| Minnesota | Nobles County | 27105 | U | Acrolein | 3.32E-03 | 3.32E-03 | 4.37E-03 | 5.69E-03 | 6.30E-03 | 9.16E-03 | 9.60E-03 | 9.60E-03 | 9.60E-03 | 0.00E+00 | 8.72E-04 | 3.81E-03 | 1.62E-03 | 0.00E+00 | |
| Minnesota | Nobles County | 27105 | U | Acrylonitrile | 1.51E-05 | 1.51E-05 | 3.38E-05 | 4.89E-05 | 7.05E-05 | 1.37E-04 | 1.39E-04 | 1.39E-04 | 1.39E-04 | 0.00E+00 | 7.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Nobles County | 27105 | U | Arsenic Compounds | | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|---------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| | | | | | | | | | | | | | | | | | | | |
| Minnesota | Nobles County | 27105 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | 1,4-Dichlorobenzene | 8.59E-04 | 8.59E-04 | 8.84E-04 | 4.33E-03 | 5.05E-03 | 9.52E-03 | 1.04E-02 | 1.04E-02 | 0.00E+00 | 5.05E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | 1,3-Dichloropropene | 2.78E-03 | 2.78E-03 | 3.26E-03 | 1.73E-02 | 2.02E-02 | 3.86E-02 | 4.21E-02 | 4.21E-02 | 0.00E+00 | 4.21E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 9.02E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Nobles County | 27105 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 0.00E+00 | 4.21E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Nobles County | 27105 | U | Ethylene Oxide | 1.28E-04 | 1.28E-04 | 1.62E-04 | 9.42E-04 | 1.17E-03 | 2.34E-03 | 2.53E-03 | 2.53E-03 | 0.00E+00 | 1.17E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Nobles County | 27105 | U | Formaldehyde | 2.97E-01 | 2.97E-01 | 3.10E-01 | 3.23E-01 | 3.34E-01 | 3.74E-01 | 3.79E-01 | 3.79E-01 | 3.79E-01 | 5.55E-08 | 3.16E-03 | 3.94E-02 | 4.17E-02 | 2.50E-01 | 2.50E-01 |
| Minnesota | Nobles County | 27105 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.33E-05 | 9.36E-05 | 9.36E-05 | 9.36E-05 | 9.36E-05 | 0.00E+00 | 3.44E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Nobles County | 27105 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.22E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Nobles County | 27105 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Hydrazine | 0.00E+00 | 0.00E+00 | 1.30E-16 | 2.61E-13 | 1.26E-12 | 5.32E-13 | 6.49E-12 | 6.49E-12 | 0.00E+00 | 1.26E-12 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Lead Compounds | 1.31E-05 | 1.31E-05 | 1.48E-05 | 5.21E-05 | 1.34E-04 | 1.13E-04 | 5.59E-04 | 1.36E-04 | 1.36E-04 | 2.56E-05 | 0.00E+00 | 1.09E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Manganese Compounds | 2.42E-06 | 2.42E-06 | 2.58E-06 | 4.93E-06 | 5.77E-06 | 9.58E-06 | 1.02E-05 | 1.02E-05 | 9.81E-11 | 3.80E-06 | 1.47E-06 | 5.00E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 8.43E-11 | 3.23E-06 | 7.46E-06 | 5.17E-06 | 0.00E+00 | 1.50E-03 | 1.50E-03 |
| Minnesota | Nobles County | 27105 | U | Methylene Chloride | 1.54E-01 | 1.54E-01 | 1.55E-01 | 1.72E-01 | 1.78E-01 | 2.06E-01 | 2.10E-01 | 2.10E-01 | 0.00E+00 | 2.80E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Nobles County | 27105 | U | Nickel Compounds | 8.79E-06 | 8.79E-06 | 1.13E-05 | 4.23E-05 | 4.28E-05 | 7.19E-05 | 8.05E-05 | 8.05E-05 | 5.10E-10 | 3.86E-05 | 3.44E-06 | 7.58E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.46E-01 | 1.46E-01 | 1.52E-01 | 1.53E-01 | 1.53E-01 | 0.00E+00 | 6.05E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Nobles County | 27105 | U | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.86E-04 | 4.06E-04 | 4.10E-04 | 4.35E-04 | 4.40E-04 | 4.40E-04 | 0.00E+00 | 2.99E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Nobles County | 27105 | U | Polycyclic Organic Matter | 3.63E-03 | 3.63E-03 | 3.88E-03 | 8.18E-03 | 1.01E-02 | 1.78E-02 | 1.87E-02 | 1.87E-02 | 2.25E-10 | 8.26E-03 | 1.41E-03 | 3.89E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | 7-PAH | 1.03E-04 | 1.03E-04 | 1.14E-04 | 2.29E-04 | 2.29E-04 | 3.29E-04 | 3.50E-04 | 3.68E-12 | 2.16E-04 | 9.04E-06 | 4.68E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Propylene Dichloride | 8.34E-08 | 8.34E-08 | 1.23E-07 | 5.29E-07 | 6.67E-07 | 1.33E-06 | 1.39E-06 | 1.39E-06 | 0.00E+00 | 6.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Quinoline | 0.00E+00 | 0.00E+00 | 4.78E-15 | 5.07E-12 | 3.14E-11 | 1.48E-11 | 1.64E-10 | 1.64E-10 | 0.00E+00 | 1.14E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | 1,1,1,2-Tetrachloroethane | 3.95E-06 | 3.95E-06 | 1.07E-05 | 1.22E-05 | 1.74E-05 | 3.26E-05 | 3.27E-05 | 3.27E-05 | 0.00E+00 | 3.74E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Nobles County | 27105 | U | Trichloroethylene | 8.14E-02 | 8.14E-02 | 8.16E-02 | 8.33E-02 | 8.47E-02 | 8.91E-02 | 8.95E-02 | 8.95E-02 | 0.00E+00 | 3.70E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 8.10E-02 |
| Minnesota | Nobles County | 27105 | U | Vinyl Chloride | 6.29E-05 | 6.29E-05 | 8.74E-05 | 3.33E-04 | 5.16E-04 | 1.11E-03 | 1.17E-03 | 1.17E-03 | 0.00E+00 | 5.16E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Acetaldehyde | 3.26E-02 | 3.26E-02 | 3.26E-02 | 4.91E-02 | 4.72E-02 | 5.99E-02 | 5.99E-02 | 5.99E-02 | 1.47E-04 | 2.86E-03 | 1.44E-02 | 2.97E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Acrolein | 2.98E-03 | 2.98E-03 | 2.98E-03 | 3.09E-03 | 3.65E-03 | 4.88E-03 | 4.88E-03 | 4.88E-03 | 6.40E-06 | 1.43E-03 | 8.45E-04 | 1.37E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Acrylonitrile | 4.02E-06 | 4.02E-06 | 4.02E-06 | 1.46E-05 | 1.11E-05 | 1.47E-05 | 1.47E-05 | 1.47E-05 | 0.00E+00 | 1.11E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Arsenic Compounds | 4.51E-06 | 4.51E-06 | 4.51E-06 | 1.26E-05 | 1.04E-05 | 1.42E-05 | 1.42E-05 | 1.42E-05 | 4.62E-06 | 2.29E-07 | 1.12E-06 | 4.47E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Benzene | 5.09E-01 | 5.09E-01 | 5.09E-01 | 5.10E-01 | 5.12E-01 | 5.16E-01 | 5.16E-01 | 5.16E-01 | 5.16E-01 | 1.51E-05 | 9.94E-03 | 8.96E-03 | 1.28E-02 | 4.80E-01 | 4.80E-01 |
| Minnesota | Norman County | 27107 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Beryllium Compounds | 1.28E-07 | 1.28E-07 | 1.28E-07 | 6.95E-07 | 5.72E-07 | 8.93E-07 | 8.93E-07 | 8.93E-07 | 4.09E-07 | 8.62E-08 | 0.00E+00 | 7.63E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | 1,3-Butadiene | 1.43E-03 | 1.43E-03 | 1.43E-03 | 1.54E-03 | 1.81E-03 | 2.45E-03 | 2.45E-03 | 2.45E-03 | 7.69E-12 | 1.63E-04 | 5.31E-04 | 1.11E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Cadmium Compounds | 1.41E-06 | 1.41E-06 | 1.41E-06 | 1.51E-06 | 1.78E-06 | 2.43E-06 | 2.43E-06 | 2.43E-06 | 1.12E-06 | 5.82E-07 | 0.00E+00 | 7.56E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 1.49E-06 | 3.34E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.70E-02 |
| Minnesota | Norman County | 27107 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.01E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 8.80E-01 |
| Minnesota | Norman County | 27107 | R | Chloroform | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 4.98E-07 | 1.59E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 8.30E-02 |
| Minnesota | Norman County | 27107 | R | Chromium Compounds (includes Hexavalent) | 1.79E-06 | 1.79E-06 | 1.79E-06 | 1.38E-05 | 1.10E-05 | 1.75E-05 | 1.75E-05 | 1.75E-05 | 6.39E-06 | 3.85E-06 | 6.57E-07 | 1.47E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Chromium VI | 5.21E-07 | 5.21E-07 | 5.21E-07 | 5.09E-06 | 4.11E-06 | 6.71E-06 | 6.71E-06 | 6.71E-06 | 2.48E-06 | 1.32E-06 | 2.59E-07 | 5.00E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | 1,4-Dichlorobenzene | 3.88E-04 | 3.88E-04 | 3.88E-04 | 4.31E-04 | 5.14E-04 | 7.22E-04 | 7.22E-04 | 7.22E-04 | 0.00E+00 | 5.14E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | 1,3-Dichloropropene | 1.44E-03 | 1.44E-03 | 1.44E-03 | 1.51E-03 | 1.88E-03 | 2.68E-03 | 2.68E-03 | 2.68E-03 | 0.00E+00 | 1.88E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.71E-03 | 7.71E-03 | 7.71E-03 | 4.61E-06 | 8.15E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 7.70E-03 |
| Minnesota | Norman County | 27107 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 4.59E-07 | 1.73E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 6.10E-02 |
| Minnesota | Norman County | 27107 | R | Ethylene Oxide | 6.46E-05 | 6.46E-05 | 6.46E-05 | 7.61E-05 | 9.05E-05 | 1.31E-04 | 1.31E-04 | 1.31E-04 | 0.00E+00 | 9.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Formaldehyde | 2.98E-01 | 2.98E-01 | 2.98E-01 | 3.22E-01 | 3.16E-01 | 3.27E-01 | 3.27E-01 | 3.27E-01 | 5.45E-04 | 5.16E-03 | 6.95E-03 | 5.29E-02 | 2.50E-01 | 2.50E-01 | 2.50E-01 |
| Minnesota | Norman County | 27107 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.18E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 9.30E-05 |
| Minnesota | Norman County | 27107 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.02E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 1.80E-03 |
| Minnesota | Norman County | 27107 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Norman County | 27107 | R | Hydrazine | 3.90E-10 | 3.90E-10 | 3.90E-10 | 5.55E-10 | 5.09E-10 | 5.81E-10 | 5.81E-10 | 5.81E-10 | 0.00E+00 | 5.09E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| | | | | | | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | Contribution to Average from ... | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Olmsted County | 27109 | U | Acetaldehyde | 1.24E-01 | 1.30E-01 | 1.64E-01 | 2.23E-01 | 2.19E-01 | 2.68E-01 | 2.97E-01 | 3.29E-01 | 2.11E-05 | 2.70E-02 | 1.73E-01 | 1.93E-02 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Acrolein | 6.98E-03 | 8.06E-03 | 1.13E-02 | 1.38E-02 | 1.36E-02 | 1.55E-02 | 1.75E-02 | 2.00E-02 | 4.43E-06 | 2.70E-03 | 8.72E-03 | 2.21E-03 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Acrylonitrile | 1.06E-04 | 1.14E-04 | 1.23E-04 | 1.70E-04 | 1.77E-04 | 1.99E-04 | 2.17E-04 | 1.99E-04 | 0.00E+00 | 1.77E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Arsenic Compounds | 3.28E-05 | 4.55E-05 | 6.94E-05 | 8.95E-05 | 9.53E-05 | 1.28E-04 | 1.37E-04 | 1.62E-04 | 7.00E-05 | 2.86E-06 | 1.59E-05 | 6.63E-06 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Benzene | 5.76E-01 | 5.99E-01 | 6.66E-01 | 7.53E-01 | 7.53E-01 | 8.20E-01 | 8.78E-01 | 9.05E-01 | 2.09E-05 | 6.94E-02 | 1.69E-01 | 3.41E-02 | 4.80E-01 |
| Minnesota | Olmsted County | 27109 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Beryllium Compounds | 8.65E-07 | 1.30E-06 | 1.96E-06 | 3.58E-06 | 4.00E-06 | 4.71E-06 | 7.55E-06 | 9.18E-06 | 3.02E-06 | 9.70E-07 | 0.00E+00 | 1.06E-08 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | 1,3-Butadiene | 5.86E-03 | 6.57E-03 | 1.26E-02 | 2.12E-02 | 2.07E-02 | 2.74E-02 | 3.21E-02 | 3.72E-02 | 4.16E-10 | 1.85E-04 | 1.68E-02 | 3.76E-03 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Cadmium Compounds | 5.51E-06 | 7.38E-06 | 1.35E-05 | 2.35E-05 | 2.68E-05 | 3.11E-05 | 4.29E-05 | 6.40E-05 | 2.19E-05 | 4.81E-06 | 0.00E+00 | 1.29E-08 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Carbon Disulfide | 4.71E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 4.76E-02 | 4.76E-02 | 4.80E-02 | 4.83E-02 | 2.03E-06 | 5.99E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Olmsted County | 27109 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 0.00E+00 | 2.78E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Olmsted County | 27109 | U | Chloroform | 8.54E-02 | 8.77E-02 | 9.36E-02 | 1.00E-01 | 1.00E-01 | 1.09E-01 | 1.13E-01 | 1.15E-01 | 9.16E-07 | 1.74E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Olmsted County | 27109 | U | Chromium Compounds (includes Hexavalent) | 5.15E-05 | 6.95E-05 | 1.11E-04 | 1.68E-04 | 1.69E-04 | 2.22E-04 | 2.50E-04 | 3.24E-04 | 1.48E-04 | 8.25E-06 | 1.26E-05 | 4.72E-07 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Chromium VI | 6.60E-06 | 8.74E-06 | 1.43E-05 | 1.92E-05 | 2.05E-05 | 2.77E-05 | 3.14E-05 | 3.74E-05 | 1.17E-05 | 3.57E-06 | 5.04E-06 | 1.61E-07 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | 1,4-Dichlorobenzene | 1.88E-03 | 3.56E-03 | 8.01E-03 | 1.29E-02 | 1.34E-02 | 1.92E-02 | 2.32E-02 | 2.39E-02 | 0.00E+00 | 1.34E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | 1,3-Dichloropropene | 7.40E-03 | 1.43E-02 | 3.25E-02 | 5.27E-02 | 5.44E-02 | 7.80E-02 | 9.48E-02 | 9.75E-02 | 0.00E+00 | 5.44E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.59E-08 | 2.46E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Olmsted County | 27109 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.25E-07 | 2.88E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Olmsted County | 27109 | U | Ethylene Oxide | 4.26E-04 | 8.32E-04 | 1.86E-03 | 4.79E-03 | 4.69E-03 | 3.16E-03 | 6.36E-03 | 8.58E-03 | 0.00E+00 | 4.79E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Formaldehyde | 3.14E-01 | 3.21E-01 | 3.43E-01 | 3.94E-01 | 3.86E-01 | 4.15E-01 | 4.32E-01 | 4.55E-01 | 2.91E-04 | 4.85E-03 | 9.38E-02 | 3.73E-02 | 2.50E-01 |
| Minnesota | Olmsted County | 27109 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.34E-05 | 9.34E-05 | 9.36E-05 | 9.37E-05 | 9.38E-05 | 0.00E+00 | 4.07E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Olmsted County | 27109 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 9.16E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Olmsted County | 27109 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.38E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.38E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Hydrazine | 1.15E-10 | 1.21E-10 | 1.29E-10 | 1.40E-10 | 1.58E-10 | 1.59E-10 | 1.97E-10 | 2.40E-10 | 0.00E+00 | 1.58E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Lead Compounds | 2.33E-04 | 3.06E-04 | 4.14E-04 | 5.09E-04 | 5.24E-04 | 6.13E-04 | 7.63E-04 | 9.61E-04 | 1.62E-04 | 6.94E-05 | 0.00E+00 | 2.97E-04 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Manganese Compounds | 3.88E-05 | 4.46E-05 | 6.77E-05 | 9.94E-05 | 1.25E-04 | 1.74E-04 | 2.24E-04 | 2.91E-04 | 8.22E-05 | 3.81E-05 | 4.10E-06 | 6.18E-07 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Mercury Compounds | 1.53E-03 | 1.54E-03 | 1.57E-03 | 1.60E-03 | 1.62E-03 | 1.63E-03 | 1.71E-03 | 1.79E-03 | 8.99E-05 | 1.11E-05 | 1.63E-05 | 5.40E-06 | 1.50E-03 |
| Minnesota | Olmsted County | 27109 | U | Methylene Chloride | 1.59E-01 | 1.71E-01 | 1.86E-01 | 2.10E-01 | 2.30E-01 | 2.30E-01 | 2.94E-01 | 4.15E-01 | 4.51E-06 | 8.03E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Olmsted County | 27109 | U | Nickel Compounds | 4.98E-05 | 6.62E-05 | 1.18E-04 | 1.75E-04 | 1.95E-04 | 2.55E-04 | 3.24E-04 | 3.72E-04 | 1.24E-04 | 6.06E-05 | 9.48E-06 | 1.39E-06 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Perchloroethylene | 1.43E-01 | 1.46E-01 | 1.50E-01 | 1.56E-01 | 1.57E-01 | 1.63E-01 | 1.66E-01 | 1.71E-01 | 6.68E-07 | 1.70E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Olmsted County | 27109 | U | Polychlorinated Biphenyls | 3.86E-04 | 3.90E-04 | 4.01E-04 | 4.28E-04 | 4.27E-04 | 4.51E-04 | 4.61E-04 | 4.76E-04 | 0.00E+00 | 4.65E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Olmsted County | 27109 | U | Polycyclic Organic Matter | 8.98E-03 | 1.15E-02 | 1.90E-02 | 2.81E-02 | 2.72E-02 | 3.68E-02 | 4.37E-02 | 4.54E-02 | 1.21E-06 | 2.28E-02 | 3.70E-03 | 7.12E-04 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | 7-PAH | 2.84E-04 | 3.04E-04 | 3.82E-04 | 4.95E-04 | 5.19E-04 | 6.33E-04 | 7.10E-04 | 9.09E-04 | 3.11E-09 | 4.87E-04 | 2.55E-05 | 6.42E-06 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Propylene Dichloride | 2.11E-07 | 3.91E-07 | 6.17E-07 | 1.01E-06 | 1.55E-06 | 1.57E-06 | 2.58E-06 | 3.35E-06 | 0.00E+00 | 1.57E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Quinoline | 2.15E-09 | 2.40E-09 | 2.50E-09 | 2.63E-09 | 2.78E-09 | 2.79E-09 | 3.30E-09 | 3.86E-09 | 0.00E+00 | 2.78E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | 1,1,2,2-Tetrachloroethane | 2.01E-05 | 2.40E-05 | 3.19E-05 | 3.96E-05 | 4.05E-05 | 5.31E-05 | 5.90E-05 | 5.99E-05 | 0.00E+00 | 4.05E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Olmsted County | 27109 | U | Trichloroethylene | 8.23E-02 | 8.39E-02 | 8.56E-02 | 8.86E-02 | 9.30E-02 | 9.33E-02 | 1.01E-01 | 1.07E-01 | 0.00E+00 | 1.20E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Olmsted County | 27109 | U | Vinyl Chloride | 3.14E-04 | 5.86E-04 | 8.90E-04 | 1.40E-03 | 2.09E-03 | 2.08E-03 | 3.44E-03 | 4.43E-03 | 0.00E+00 | 2.09E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Acetaldehyde | 2.98E-02 | 3.76E-02 | 4.47E-02 | 5.67E-02 | 9.07E-02 | 1.36E-01 | 2.00E-01 | 2.56E-01 | 2.19E-05 | 1.62E-02 | 6.07E-02 | 1.38E-02 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Acrolein | 4.00E-03 | 4.12E-03 | 4.91E-03 | 5.88E-03 | 7.35E-03 | 7.37E-03 | 1.39E-02 | 1.74E-02 | 4.30E-06 | 1.61E-03 | 3.89E-03 | 1.85E-03 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Acrylonitrile | 6.57E-06 | 7.33E-06 | 1.19E-05 | 1.95E-05 | 4.68E-05 | 5.48E-05 | 1.57E-04 | 1.65E-04 | 1.90E-07 | 4.66E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Arsenic Compounds | 3.56E-06 | 3.82E-06 | 4.90E-06 | 6.56E-06 | 1.47E-05 | 1.81E-05 | 4.07E-05 | 5.99E-05 | 2.86E-06 | 1.13E-06 | 7.45E-06 | 3.28E-06 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Benzene | 5.28E-01 | 5.29E-01 | 5.46E-01 | 5.53E-01 | 5.59E-01 | 5.86E-01 | 7.71E-01 | 8.52E-01 | 9.87E-06 | 3.13E-02 | 5.59E-02 | 2.90E-02 | 4.80E-01 |
| Minnesota | Otter Tail County | 27111 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Beryllium Compounds | 2.05E-07 | 2.61E-07 | 4.09E-07 | 5.27E-07 | 6.43E-07 | 9.30E-07 | 1.13E-06 | 1.42E-06 | 1.10E-07 | 2.82E-07 | 0.00E+00 | 2.50E-07 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | 1,3-Butadiene | 1.54E-03 | 1.85E-03 | 2.51E-03 | 2.83E-03 | 7.09E-03 | 5.73E-03 | 2.31E-02 | 3.31E-02 | 1.16E-09 | 3.92E-04 | 4.78E-03 | 1.92E-03 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Cadmium Compounds | 2.68E-06 | 2.69E-06 | 3.88E-06 | 5.06E-06 | 8.65E-06 | 1.01E-05 | 1.98E-05 | 2.97E-05 | 7.75E-06 | 6.44E-07 | 0.00E+00 | 2.49E-07 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.73E-02 | 4.73E-02 | 7.87E-07 | 8.06E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Otter Tail County | 27111 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.54E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Otter Tail County | 27111 | R | Chloroform | 8.42E-02 | 8.42E-02 | 8.43E-02 | 8.47E-02 | 8.63E-02 | 8.56E-02 | 9.35E-02 | 9.36E-02 | 0.00E+00 | 3.28E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Otter Tail County | 27111 | R | Chromium Compounds (includes Hexavalent) | 7.04E-06 | 1.25E-05 | 5.72E-05 | 4.81E-04 | 1.43E-03 | 1.16E-03 | 5.61E-03 | 1.03E-02 | 1.41E-03 | 7.46E-06 | 4.42E-06 | 3.41E-07 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Chromium VI | 2.55E-06 | 4.51E-06 | 1.75E-05 | 1.63E-04 | 4.84E-04 | 3.94E-04 | 1.91E-03 | 3.51E-03 | 4.80E-04 | 2.53E-06 | 1.76E-06 | 1.16E-07 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | 1,4-Dichlorobenzene | 8.02E-04 | 8.46E-04 | 9.36E-04 | 1.25E-03 | 2.36E-03 | 1.75E-03 | 7.67E-03 | 7.68E-03 | 0.00E+00 | 2.36E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | 1,3-Dichloropropene | 3.11E-03 | 3.27E-03 | 3.65E-03 | 4.91E-03 | 9.45E-03 | 6.97E-03 | 3.11E-02 | 3.11E-02 | 0.00E+00 | 9.45E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7. | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Otter Tail County | 27111 | R | Lead Compounds | 2.59E-05 | 3.11E-05 | 4.18E-05 | 5.56E-05 | 7.76E-05 | 7.73E-05 | 1.71E-04 | 2.64E-04 | 3.70E-05 | 2.23E-05 | 0.00E+00 | 1.83E-05 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Manganese Compounds | 2.05E-06 | 2.23E-06 | 3.87E-06 | 5.10E-06 | 2.01E-05 | 1.44E-05 | 1.06E-04 | 1.14E-04 | 2.56E-06 | 1.58E-05 | 1.42E-06 | 3.26E-07 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Mercury Compounds | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.55E-03 | 1.55E-03 | 1.62E-03 | 1.68E-03 | 3.59E-05 | 1.25E-06 | 8.75E-06 | 2.97E-06 | 1.50E-03 |
| Minnesota | Otter Tail County | 27111 | R | Methylene Chloride | 1.54E-01 | 1.54E-01 | 1.55E-01 | 1.56E-01 | 1.63E-01 | 1.60E-01 | 2.03E-01 | 2.05E-01 | 1.68E-06 | 1.35E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Otter Tail County | 27111 | R | Nickel Compounds | 5.00E-06 | 5.94E-06 | 7.96E-06 | 1.12E-05 | 3.84E-05 | 2.63E-05 | 1.72E-04 | 2.16E-04 | 8.02E-06 | 2.65E-05 | 3.35E-06 | 5.41E-07 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.42E-01 | 1.49E-01 | 1.50E-01 | 2.49E-07 | 2.71E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Otter Tail County | 27111 | R | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.87E-04 | 3.89E-04 | 3.99E-04 | 4.00E-04 | 4.33E-04 | 4.44E-04 | 0.00E+00 | 1.88E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Otter Tail County | 27111 | R | Polycyclic Organic Matter | 3.77E-03 | 4.30E-03 | 4.85E-03 | 5.54E-03 | 8.44E-03 | 9.61E-03 | 1.92E-02 | 2.13E-02 | 9.13E-07 | 6.83E-03 | 1.29E-03 | 3.12E-04 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | 7-PAH | 1.85E-04 | 1.87E-04 | 2.33E-04 | 2.76E-04 | 3.57E-04 | 5.29E-04 | 5.57E-04 | 6.21E-04 | 4.65E-09 | 3.40E-04 | 1.06E-05 | 7.07E-06 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Propylene Dichloride | 1.87E-08 | 3.59E-08 | 5.10E-08 | 5.97E-08 | 2.01E-07 | 3.70E-07 | 6.16E-07 | 6.29E-07 | 0.00E+00 | 2.01E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Quinoline | 1.28E-10 | 1.91E-10 | 4.32E-10 | 7.32E-10 | 6.86E-10 | 9.47E-10 | 1.10E-09 | 1.21E-09 | 0.00E+00 | 6.86E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | 1,1,2,2-Tetrachloroethane | 1.55E-06 | 1.90E-06 | 3.13E-06 | 5.55E-06 | 1.29E-05 | 1.36E-05 | 4.37E-05 | 4.65E-05 | 0.00E+00 | 1.29E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Otter Tail County | 27111 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.14E-02 | 8.23E-02 | 8.20E-02 | 8.65E-02 | 8.71E-02 | 0.00E+00 | 1.26E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Otter Tail County | 27111 | R | Vinyl Chloride | 4.93E-06 | 1.46E-05 | 2.37E-05 | 3.43E-05 | 1.17E-04 | 2.08E-04 | 3.80E-04 | 3.86E-04 | 0.00E+00 | 1.17E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Acetaldehyde | 2.55E-02 | 2.55E-02 | 2.96E-02 | 5.72E-02 | 5.23E-02 | 6.68E-02 | 8.23E-02 | 8.23E-02 | 4.48E-07 | 1.04E-03 | 3.56E-02 | 1.57E-02 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Acrolein | 2.67E-03 | 2.67E-03 | 3.24E-03 | 5.99E-03 | 5.31E-03 | 6.61E-03 | 8.03E-03 | 8.03E-03 | 9.45E-08 | 1.39E-03 | 2.41E-03 | 1.50E-03 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Acrylonitrile | 1.21E-06 | 1.21E-06 | 6.81E-06 | 2.11E-05 | 1.90E-05 | 2.75E-05 | 3.86E-05 | 3.86E-05 | 0.00E+00 | 1.90E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Arsenic Compounds | 3.48E-06 | 3.48E-06 | 4.94E-06 | 1.59E-05 | 1.23E-05 | 1.70E-05 | 1.99E-05 | 1.99E-05 | 1.39E-07 | 2.63E-06 | 5.47E-06 | 4.01E-06 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Benzene | 5.05E-01 | 5.05E-01 | 5.10E-01 | 6.02E-01 | 5.77E-01 | 6.15E-01 | 6.52E-01 | 6.52E-01 | 6.72E-07 | 2.99E-02 | 5.01E-02 | 1.68E-02 | 4.80E-01 |
| Minnesota | Pennington County | 27113 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Beryllium Compounds | 1.34E-07 | 1.34E-07 | 2.61E-07 | 1.79E-06 | 1.33E-06 | 2.11E-06 | 2.34E-06 | 2.34E-06 | 7.48E-09 | 8.39E-07 | 0.00E+00 | 4.81E-07 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | 1,3-Butadiene | 1.42E-03 | 1.42E-03 | 1.79E-03 | 9.47E-03 | 7.25E-03 | 1.03E-02 | 1.33E-02 | 1.33E-02 | 0.00E+00 | 2.41E-04 | 5.31E-03 | 1.70E-03 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Cadmium Compounds | 3.83E-07 | 3.83E-07 | 6.51E-07 | 5.37E-06 | 3.65E-06 | 5.41E-06 | 6.42E-06 | 6.42E-06 | 9.50E-08 | 3.07E-06 | 0.00E+00 | 4.80E-07 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.72E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 4.74E-02 | 5.06E-08 | 1.88E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Pennington County | 27113 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.94E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Pennington County | 27113 | U | Chloroform | 8.33E-02 | 8.33E-02 | 8.35E-02 | 8.70E-02 | 8.61E-02 | 8.74E-02 | 8.94E-02 | 8.94E-02 | 2.30E-08 | 3.14E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Pennington County | 27113 | U | Chromium Compounds (includes Hexavalent) | 9.37E-07 | 9.37E-07 | 2.19E-06 | 1.01E-05 | 7.16E-06 | 1.02E-05 | 1.24E-05 | 1.24E-05 | 2.08E-07 | 3.13E-06 | 3.53E-06 | 2.90E-07 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Chromium VI | 3.68E-07 | 3.68E-07 | 8.77E-07 | 4.11E-06 | 2.97E-06 | 4.37E-06 | 5.12E-06 | 5.12E-06 | 1.09E-07 | 1.36E-06 | 1.40E-06 | 9.85E-08 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | 1,4-Dichlorobenzene | 4.32E-04 | 4.32E-04 | 5.04E-04 | 5.42E-03 | 4.49E-03 | 6.53E-03 | 9.58E-03 | 9.58E-03 | 0.00E+00 | 4.49E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | 1,3-Dichloropropene | 1.69E-03 | 1.69E-03 | 1.98E-03 | 2.21E-02 | 1.83E-02 | 2.67E-02 | 3.91E-02 | 3.91E-02 | 0.00E+00 | 1.83E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 4.67E-07 | 2.41E-09 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Pennington County | 27113 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.56E-08 | 1.39E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Pennington County | 27113 | U | Ethylene Oxide | 9.52E-05 | 9.52E-05 | 1.03E-04 | 1.37E-03 | 1.07E-03 | 1.68E-03 | 2.10E-03 | 2.10E-03 | 0.00E+00 | 1.07E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Formaldehyde | 2.81E-01 | 2.81E-01 | 2.87E-01 | 3.18E-01 | 3.10E-01 | 3.27E-01 | 3.38E-01 | 3.38E-01 | 6.64E-06 | 4.12E-03 | 2.75E-02 | 2.85E-02 | 2.50E-01 |
| Minnesota | Pennington County | 27113 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.33E-05 | 9.33E-05 | 9.36E-05 | 9.36E-05 | 0.00E+00 | 2.71E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Pennington County | 27113 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.01E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Pennington County | 27113 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Lead Compounds | 9.06E-05 | 9.06E-05 | 9.87E-05 | 3.47E-04 | 3.65E-04 | 6.44E-04 | 6.46E-04 | 6.46E-04 | 9.28E-07 | 6.06E-05 | 0.00E+00 | 3.04E-04 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Manganese Compounds | 9.75E-07 | 9.75E-07 | 4.13E-06 | 8.31E-06 | 7.78E-06 | 1.18E-05 | 1.37E-05 | 1.37E-05 | 1.81E-07 | 6.10E-06 | 1.13E-06 | 3.68E-07 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.52E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 5.29E-08 | 2.32E-06 | 6.20E-06 | 3.88E-06 | 1.50E-03 |
| Minnesota | Pennington County | 27113 | U | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.85E-01 | 1.76E-01 | 1.95E-01 | 1.95E-01 | 1.95E-01 | 1.06E-07 | 2.58E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Pennington County | 27113 | U | Nickel Compounds | 5.07E-06 | 5.07E-06 | 7.10E-06 | 4.46E-05 | 6.27E-05 | 9.92E-05 | 1.58E-04 | 1.58E-04 | 2.32E-07 | 5.92E-05 | 2.69E-06 | 6.11E-07 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.47E-01 | 1.45E-01 | 1.47E-01 | 1.49E-01 | 1.49E-01 | 1.58E-08 | 5.00E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Pennington County | 27113 | U | Polychlorinated Biphenyls | 3.82E-04 | 3.82E-04 | 3.83E-04 | 4.10E-04 | 4.05E-04 | 4.11E-04 | 4.39E-04 | 4.39E-04 | 0.00E+00 | 2.48E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Pennington County | 27113 | U | Polycyclic Organic Matter | 1.77E-03 | 1.77E-03 | 1.95E-03 | 1.25E-02 | 9.20E-03 | 1.26E-02 | 1.72E-02 | 1.72E-02 | 1.80E-07 | 7.74E-03 | 1.08E-03 | 3.85E-04 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | 7-PAH | 9.01E-05 | 9.01E-05 | 9.70E-05 | 3.37E-04 | 2.59E-04 | 3.42E-04 | 4.30E-04 | 4.30E-04 | 9.41E-10 | 2.47E-04 | 6.99E-06 | 5.57E-06 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Propylene Dichloride | 4.86E-08 | 4.86E-08 | 5.49E-08 | 1.20E-06 | 8.33E-07 | 1.24E-06 | 1.61E-06 | 1.61E-06 | 0.00E+00 | 8.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | 1,1,2,2-Tetrachloroethane | 7.21E-09 | 7.21E-09 | 6.71E-07 | 8.04E-07 | 8.27E-07 | 8.99E-07 | 1.76E-06 | 1.76E-06 | 0.00E+00 | 8.27E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pennington County | 27113 | U | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.58E-02 | 8.50E-02 | 8.69E-02 | 9.02E-02 | 9.02E-02 | 0.00E+00 | 4.05E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Pennington County | 27113 | U | Vinyl Chloride | 2.09E-08 | 2.09E-08 | 1.35E-06 | 1.69E-06 | 1.69E-06 | 1.95E-06 | 3.41E-06 | 3.41E-06 | 0.00E+00 | 1.69E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pine County | 27115 | R | Acetaldehyde | 3.87E-02 | 3.87E-02 | 4.77E-02 | 7.86E-02 | 7.84E-02 | 9.47E-02 | 1.46E-01 | 1.46E-01 | 5.16E-05 | 4.50E-03 | 6.80E-02 | 5.81E-03 | 0.00E+00 |
| Minnesota | Pine County | 27115 | R | Acrolein | 7.09E-03 | 7.09E-03 | 7.58E-03 | 8.76E-03 | 9.46E-03 | 1.03E-02 | 1.53E-02 | 1.53E-02 | 1.86E-06 | 4.40E-03 | 4.14E-03 | 9.11E-04 | 0.00E+00 |
| Minnesota | Pine County | 27115 | R | Acrylonitrile | 1.27E-06 | 1.27E-06 | 4.32E-06 | 1.43E-05 | 5.37E-05 | 6.96E-05 | 2.52E-04 | 2.52E-04 | 0.00E+00 | 5.37E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pine County | 27115 | R | Arsenic Compounds | 4.81E-06 | 4.81E-06 | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------|----------------------------------|----------------|----------------------|--|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| | | | | | | | | | | | | | | | | | | | |
| Minnesota | Pine County | 27115 | R | Chloroform | 8.34E-02 | 8.34E-02 | 8.34E-02 | 8.36E-02 | 8.41E-02 | 8.40E-02 | 8.78E-02 | 8.78E-02 | 1.95E-05 | 1.13E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | | |
| Minnesota | Pine County | 27115 | R | Chromium Compounds (includes Hexavalent) | 3.04E-06 | 3.04E-06 | 4.16E-06 | 6.48E-06 | 8.25E-06 | 1.10E-05 | 1.98E-05 | 1.98E-05 | 9.87E-07 | 3.03E-06 | 4.07E-06 | 1.66E-07 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Chromium VI | 1.39E-06 | 1.39E-06 | 1.90E-06 | 2.78E-06 | 3.79E-06 | 4.55E-06 | 1.05E-05 | 1.05E-05 | 4.83E-07 | 1.61E-06 | 1.64E-06 | 5.65E-08 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | 1,4-Dichlorobenzene | 5.59E-04 | 5.59E-04 | 6.37E-04 | 1.05E-03 | 1.92E-03 | 1.94E-03 | 7.58E-03 | 7.58E-03 | 0.00E+00 | 1.92E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | 1,3-Dichloropropene | 2.12E-03 | 2.12E-03 | 2.49E-03 | 4.14E-03 | 7.63E-03 | 7.60E-03 | 3.05E-02 | 3.05E-02 | 0.00E+00 | 7.63E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 2.08E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | | |
| Minnesota | Pine County | 27115 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 3.82E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | | |
| Minnesota | Pine County | 27115 | R | Ethylene Oxide | 1.11E-04 | 1.11E-04 | 1.32E-04 | 2.09E-04 | 3.92E-04 | 4.04E-04 | 1.54E-03 | 1.54E-03 | 0.00E+00 | 3.92E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 | | |
| Minnesota | Pine County | 27115 | R | Formaldehyde | 2.89E-01 | 2.89E-01 | 2.93E-01 | 3.14E-01 | 3.14E-01 | 3.17E-01 | 3.73E-01 | 3.73E-01 | 1.72E-05 | 1.81E-02 | 3.45E-02 | 1.14E-02 | 2.50E-01 | | |
| Minnesota | Pine County | 27115 | R | Hexachlorobenzene | 9.30E-05 | 9.30E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.41E-05 | 9.41E-05 | 0.00E+00 | 2.29E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | | |
| Minnesota | Pine County | 27115 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.23E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | | |
| Minnesota | Pine County | 27115 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 6.17E-12 | 2.73E-11 | 2.63E-11 | 3.80E-11 | 6.74E-11 | 6.74E-11 | 0.00E+00 | 2.63E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Lead Compounds | 2.58E-06 | 2.58E-06 | 6.37E-06 | 2.10E-05 | 4.01E-05 | 5.35E-05 | 1.57E-04 | 1.57E-04 | 5.38E-07 | 3.09E-05 | 0.00E+00 | 8.74E-06 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Manganese Compounds | 7.93E-06 | 7.93E-06 | 1.32E-05 | 2.39E-05 | 3.11E-05 | 3.07E-05 | 1.06E-04 | 1.06E-04 | 7.83E-06 | 2.18E-05 | 1.31E-06 | 1.55E-07 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.53E-03 | 1.99E-07 | 5.28E-07 | 8.27E-06 | 1.54E-06 | 1.50E-03 | | |
| Minnesota | Pine County | 27115 | R | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.54E-01 | 1.56E-01 | 1.61E-01 | 1.59E-01 | 1.97E-01 | 1.97E-01 | 3.92E-06 | 1.09E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | | |
| Minnesota | Pine County | 27115 | R | Nickel Compounds | 3.97E-06 | 3.97E-06 | 8.02E-06 | 1.16E-05 | 2.14E-05 | 2.51E-05 | 7.77E-05 | 7.77E-05 | 9.22E-06 | 8.83E-06 | 3.07E-06 | 2.68E-07 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.44E-01 | 1.43E-01 | 1.44E-01 | 1.52E-01 | 1.52E-01 | 2.51E-06 | 3.01E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | | |
| Minnesota | Pine County | 27115 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.86E-04 | 3.91E-04 | 4.05E-04 | 3.97E-04 | 5.09E-04 | 5.09E-04 | 0.00E+00 | 2.53E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | | |
| Minnesota | Pine County | 27115 | R | Polycyclic Organic Matter | 3.85E-03 | 3.85E-03 | 5.21E-03 | 7.00E-03 | 8.91E-03 | 1.04E-02 | 2.21E-02 | 2.21E-02 | 2.27E-05 | 7.55E-03 | 1.19E-03 | 1.44E-04 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | 7-PAH | 3.08E-04 | 3.08E-04 | 3.98E-04 | 4.58E-04 | 5.52E-04 | 5.96E-04 | 1.20E-03 | 1.20E-03 | 1.07E-08 | 5.93E-04 | 1.00E-05 | 3.13E-06 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Propylene Dichloride | 1.64E-08 | 1.64E-08 | 3.43E-08 | 1.55E-07 | 6.41E-07 | 5.99E-07 | 3.54E-06 | 3.54E-06 | 0.00E+00 | 6.41E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Quinoline | 0.00E+00 | 0.00E+00 | 1.92E-10 | 6.40E-10 | 5.94E-10 | 9.30E-10 | 1.23E-09 | 1.23E-09 | 0.00E+00 | 5.94E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | 1,1,2,2-Tetrachloroethane | 2.34E-07 | 2.34E-07 | 1.14E-06 | 5.34E-06 | 1.19E-05 | 1.95E-05 | 4.33E-05 | 4.33E-05 | 0.00E+00 | 1.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pine County | 27115 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.13E-02 | 8.17E-02 | 8.15E-02 | 8.45E-02 | 8.45E-02 | 1.59E-06 | 7.05E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | | |
| Minnesota | Pine County | 27115 | R | Vinyl Chloride | 1.15E-06 | 1.15E-06 | 2.69E-06 | 1.42E-05 | 3.10E-05 | 5.66E-05 | 9.96E-05 | 9.96E-05 | 0.00E+00 | 3.10E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Acetaldehyde | 5.01E-02 | 5.01E-02 | 6.94E-02 | 8.29E-02 | 1.50E-01 | 2.73E-01 | 2.74E-01 | 2.74E-01 | 0.00E+00 | 7.16E-02 | 5.19E-02 | 2.64E-02 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Acrolein | 3.76E-03 | 3.76E-03 | 4.09E-03 | 4.78E-03 | 6.34E-03 | 9.36E-03 | 9.70E-03 | 9.70E-03 | 0.00E+00 | 9.09E-04 | 3.09E-03 | 2.34E-03 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Acrylonitrile | 1.55E-05 | 1.55E-05 | 2.20E-05 | 4.99E-05 | 5.13E-05 | 8.41E-05 | 8.51E-05 | 8.51E-05 | 0.00E+00 | 5.13E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Arsenic Compounds | 6.51E-06 | 6.51E-06 | 7.18E-06 | 7.70E-06 | 1.44E-05 | 2.52E-05 | 2.55E-05 | 2.55E-05 | 6.82E-09 | 1.49E-06 | 6.17E-06 | 6.76E-06 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Benzene | 5.21E-01 | 5.21E-01 | 5.24E-01 | 5.33E-01 | 5.92E-01 | 6.90E-01 | 6.91E-01 | 6.91E-01 | 7.58E-08 | 3.91E-02 | 4.63E-02 | 2.63E-02 | 4.80E-01 | | |
| Minnesota | Pipestone County | 27117 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Beryllium Compounds | 3.53E-07 | 3.53E-07 | 4.01E-07 | 5.08E-07 | 1.07E-06 | 1.87E-06 | 2.21E-06 | 2.21E-06 | 4.14E-10 | 5.96E-07 | 0.00E+00 | 4.73E-07 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | 1,3-Butadiene | 2.18E-03 | 2.18E-03 | 2.26E-03 | 2.55E-03 | 6.82E-03 | 1.33E-02 | 1.38E-02 | 1.38E-02 | 0.00E+00 | 5.39E-05 | 4.05E-03 | 2.72E-03 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Cadmium Compounds | 5.40E-07 | 5.40E-07 | 5.47E-07 | 8.53E-07 | 1.58E-06 | 2.79E-06 | 3.18E-06 | 3.18E-06 | 3.84E-08 | 1.07E-06 | 0.00E+00 | 4.72E-07 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.74E-02 | 4.74E-02 | 4.74E-02 | 0.00E+00 | 1.67E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | | |
| Minnesota | Pipestone County | 27117 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.87E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | | |
| Minnesota | Pipestone County | 27117 | R | Chloroform | 8.32E-02 | 8.32E-02 | 8.34E-02 | 8.35E-02 | 8.36E-02 | 8.40E-02 | 8.41E-02 | 8.41E-02 | 0.00E+00 | 6.48E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 | | |
| Minnesota | Pipestone County | 27117 | R | Chromium Compounds (includes Hexavalent) | 2.06E-06 | 2.06E-06 | 2.44E-06 | 8.54E-06 | 9.10E-06 | 1.61E-05 | 1.64E-05 | 1.64E-05 | 4.85E-08 | 5.04E-06 | 3.14E-06 | 4.04E-07 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Chromium VI | 8.07E-07 | 8.07E-07 | 9.58E-07 | 2.97E-06 | 3.46E-06 | 6.25E-06 | 6.30E-06 | 6.30E-06 | 1.65E-08 | 1.89E-06 | 1.42E-06 | 1.37E-07 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | 1,4-Dichlorobenzene | 7.34E-04 | 7.34E-04 | 9.42E-04 | 1.09E-03 | 3.65E-03 | 7.32E-03 | 8.15E-03 | 8.15E-03 | 0.00E+00 | 3.65E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | 1,3-Dichloropropene | 2.61E-03 | 2.61E-03 | 3.53E-03 | 3.75E-03 | 1.44E-02 | 2.94E-02 | 3.28E-02 | 3.28E-02 | 0.00E+00 | 1.44E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 2.67E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | | |
| Minnesota | Pipestone County | 27117 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 9.88E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | | |
| Minnesota | Pipestone County | 27117 | R | Ethylene Oxide | 1.40E-04 | 1.40E-04 | 1.78E-04 | 1.88E-04 | 8.32E-04 | 1.65E-03 | 2.00E-03 | 2.00E-03 | 0.00E+00 | 8.32E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Formaldehyde | 3.09E-01 | 3.09E-01 | 3.13E-01 | 3.22E-01 | 3.38E-01 | 3.73E-01 | 3.73E-01 | 3.73E-01 | 5.64E-06 | 3.55E-03 | 3.04E-02 | 5.40E-02 | 2.50E-01 | | |
| Minnesota | Pipestone County | 27117 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.36E-05 | 9.36E-05 | 9.36E-05 | 0.00E+00 | 3.14E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | | |
| Minnesota | Pipestone County | 27117 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.58E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | | |
| Minnesota | Pipestone County | 27117 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Hydrazine | 4.13E-16 | 4.13E-16 | 8.00E-13 | 1.01E-12 | 1.50E-11 | 5.00E-11 | 5.00E-11 | 5.00E-11 | 0.00E+00 | 1.50E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Lead Compounds | 2.28E-05 | 2.28E-05 | 4.30E-05 | 1.52E-04 | 3.75E-04 | 1.72E-04 | 1.49E-03 | 1.49E-03 | 1.74E-08 | 1.80E-05 | 0.00E+00 | 3.57E-04 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Manganese Compounds | 1.56E-06 | 1.56E-06 | 1.88E-06 | 2.35E-06 | 5.80E-06 | 1.15E-05 | 1.17E-05 | 1.17E-05 | 1.31E-08 | 4.04E-06 | 1.15E-06 | 5.93E-07 | 0.00E+00 | | |
| Minnesota | Pipestone County | 27117 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 9.38E-09 | 1.11E-06 | 7.33E-06 | 6.21E-06 | 1.50E-03 | | |
| Minnesota | Pipestone County | 27117 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.55E-01 | 1. | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Pipestone County | 27117 | R | 1,1,2,2-Tetrachloroethane | 4.09E-06 | 4.09E-06 | 7.71E-06 | 1.74E-05 | 1.33E-05 | 1.86E-05 | 1.89E-05 | 1.89E-05 | 1.89E-05 | 0.00E+00 | 1.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Pipestone County | 27117 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.15E-02 | 8.16E-02 | 8.35E-02 | 8.66E-02 | 8.67E-02 | 8.67E-02 | 0.00E+00 | 2.54E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Pipestone County | 27117 | R | Vinyl Chloride | 2.54E-05 | 2.54E-05 | 3.48E-05 | 6.19E-05 | 1.02E-04 | 1.92E-04 | 1.92E-04 | 1.92E-04 | 0.00E+00 | 1.02E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Polk County | 27119 | U | Acetaldehyde | 3.06E-02 | 3.45E-02 | 3.91E-02 | 1.04E-01 | 1.17E-01 | 1.68E-01 | 2.33E-01 | 2.48E-01 | 6.16E-04 | 6.04E-03 | 6.21E-02 | 4.85E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Acrolein | 2.34E-03 | 3.10E-03 | 4.15E-03 | 9.16E-03 | 1.07E-02 | 1.86E-02 | 2.05E-02 | 2.07E-02 | 1.49E-04 | 5.27E-03 | 3.64E-03 | 1.66E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Acrylonitrile | 2.60E-06 | 2.94E-06 | 1.13E-05 | 9.29E-05 | 9.33E-05 | 1.63E-04 | 1.81E-04 | 1.86E-04 | 0.00E+00 | 9.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Arsenic Compounds | 5.59E-06 | 6.25E-06 | 7.02E-06 | 2.13E-05 | 2.52E-05 | 3.42E-05 | 5.71E-05 | 6.61E-05 | 8.96E-06 | 2.27E-06 | 7.24E-06 | 6.69E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Benzene | 5.03E-01 | 5.05E-01 | 5.09E-01 | 5.81E-01 | 6.09E-01 | 6.60E-01 | 7.88E-01 | 8.20E-01 | 4.34E-05 | 4.18E-02 | 6.85E-02 | 1.88E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Beryllium Compounds | 2.71E-07 | 2.91E-07 | 3.69E-07 | 1.12E-06 | 1.30E-06 | 1.93E-06 | 2.78E-06 | 3.46E-06 | 4.53E-07 | 5.91E-07 | 0.00E+00 | 2.57E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | 1,3-Butadiene | 1.01E-03 | 1.02E-03 | 1.41E-03 | 6.24E-03 | 9.53E-03 | 1.33E-02 | 2.64E-02 | 2.83E-02 | 0.00E+00 | 1.10E-03 | 6.71E-03 | 1.73E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Cadmium Compounds | 1.30E-06 | 1.36E-06 | 3.48E-06 | 3.76E-06 | 6.05E-06 | 6.24E-06 | 1.59E-05 | 2.22E-05 | 4.64E-06 | 1.16E-06 | 0.00E+00 | 2.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 4.76E-02 | 4.76E-02 | 3.16E-06 | 2.48E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 7.28E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Chloroform | 8.32E-02 | 8.32E-02 | 8.33E-02 | 8.48E-02 | 8.49E-02 | 8.65E-02 | 8.70E-02 | 8.70E-02 | 1.41E-06 | 1.94E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Chromium Compounds (includes Hexavalent) | 4.99E-06 | 5.00E-06 | 6.98E-06 | 1.29E-05 | 1.65E-05 | 2.10E-05 | 3.78E-05 | 4.44E-05 | 8.36E-06 | 3.21E-06 | 4.71E-06 | 2.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Chromium VI | 7.97E-07 | 1.00E-06 | 1.76E-06 | 6.07E-06 | 6.99E-06 | 9.91E-06 | 1.62E-05 | 1.94E-05 | 3.68E-06 | 1.35E-06 | 1.88E-06 | 8.59E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | 1,4-Dichlorobenzene | 4.67E-04 | 5.21E-04 | 5.96E-04 | 4.39E-03 | 4.95E-03 | 8.62E-03 | 1.09E-02 | 1.18E-02 | 0.00E+00 | 4.95E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | 1,3-Dichloropropene | 1.82E-03 | 1.84E-03 | 2.01E-03 | 1.41E-02 | 1.80E-02 | 3.46E-02 | 4.13E-02 | 4.75E-02 | 0.00E+00 | 1.80E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.71E-03 | 7.73E-03 | 7.73E-03 | 7.74E-03 | 7.76E-03 | 7.78E-03 | 2.87E-05 | 4.56E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 9.71E-07 | 8.26E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Ethylene Oxide | 9.74E-05 | 1.06E-04 | 1.24E-04 | 1.74E-04 | 1.01E-03 | 2.23E-03 | 2.65E-03 | 2.23E-03 | 0.00E+00 | 1.10E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Formaldehyde | 2.85E-01 | 2.91E-01 | 2.98E-01 | 3.63E-01 | 3.67E-01 | 4.20E-01 | 4.59E-01 | 4.73E-01 | 4.89E-04 | 1.95E-02 | 3.91E-02 | 5.80E-02 | 2.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.36E-05 | 9.38E-05 | 0.00E+00 | 2.87E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.44E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Hydrazine | 0.00E+00 | 4.89E-12 | 3.02E-11 | 8.36E-11 | 1.57E-09 | 3.92E-09 | 5.71E-09 | 7.42E-09 | 0.00E+00 | 1.57E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Lead Compounds | 2.01E-04 | 2.79E-04 | 4.56E-04 | 7.94E-04 | 1.69E-04 | 8.43E-04 | 9.84E-04 | 2.02E-03 | 3.78E-04 | 2.14E-05 | 0.00E+00 | 4.41E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Manganese Compounds | 4.57E-06 | 4.91E-06 | 6.07E-06 | 1.79E-05 | 1.85E-05 | 2.63E-05 | 3.62E-05 | 4.49E-05 | 1.09E-05 | 5.60E-06 | 1.50E-06 | 5.46E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.55E-03 | 1.55E-03 | 6.62E-06 | 3.13E-06 | 8.15E-06 | 5.94E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Methylene Chloride | 1.52E-01 | 1.53E-01 | 1.53E-01 | 1.73E-01 | 1.79E-01 | 2.02E-01 | 2.14E-01 | 2.23E-01 | 6.93E-06 | 2.86E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Nickel Compounds | 7.58E-06 | 7.67E-06 | 1.18E-05 | 3.13E-05 | 4.14E-05 | 5.13E-05 | 1.05E-04 | 1.36E-04 | 7.67E-06 | 2.95E-05 | 3.44E-06 | 8.35E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.45E-01 | 1.46E-01 | 1.53E-01 | 1.54E-01 | 1.54E-01 | 1.03E-06 | 6.30E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Polychlorinated Biphenyls | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.95E-04 | 4.03E-04 | 4.16E-04 | 4.41E-04 | 4.58E-04 | 0.00E+00 | 2.32E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Polycyclic Organic Matter | 1.71E-03 | 1.78E-03 | 1.88E-03 | 8.96E-03 | 1.04E-02 | 1.83E-02 | 2.24E-02 | 2.54E-02 | 2.27E-05 | 8.49E-03 | 1.42E-03 | 5.15E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | 7-PAH | 7.35E-05 | 8.92E-05 | 1.13E-04 | 3.10E-04 | 3.93E-04 | 7.23E-04 | 7.74E-04 | 8.09E-04 | 2.19E-08 | 3.78E-04 | 1.06E-05 | 4.68E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Propylene Dichloride | 5.12E-08 | 5.47E-08 | 5.83E-08 | 1.30E-06 | 1.79E-06 | 4.28E-06 | 4.61E-06 | 4.74E-06 | 0.00E+00 | 1.79E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Quinoline | 0.00E+00 | 1.15E-10 | 4.74E-10 | 1.41E-09 | 7.12E-09 | 1.61E-08 | 2.43E-08 | 2.99E-08 | 0.00E+00 | 7.12E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | 1,1,2,2-Tetrachloroethane | 2.17E-07 | 3.33E-07 | 3.12E-06 | 2.67E-05 | 2.82E-05 | 5.54E-05 | 5.80E-05 | 6.05E-05 | 0.00E+00 | 2.82E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.30E-02 | 8.34E-02 | 8.53E-02 | 8.65E-02 | 8.74E-02 | 0.00E+00 | 2.41E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Polk County | 27119 | U | Vinyl Chloride | 1.23E-06 | 1.29E-06 | 6.69E-06 | 5.55E-05 | 6.08E-05 | 1.24E-04 | 1.30E-04 | 1.35E-04 | 0.00E+00 | 6.08E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Acetaldehyde | 5.71E-02 | 5.71E-02 | 6.78E-02 | 8.68E-02 | 8.97E-02 | 1.12E-01 | 1.28E-01 | 1.28E-01 | 6.25E-07 | 2.12E-02 | 4.55E-02 | 2.31E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Acrolein | 3.34E-03 | 3.34E-03 | 3.92E-03 | 4.99E-03 | 5.06E-03 | 6.20E-03 | 6.92E-03 | 6.92E-03 | 6.33E-08 | 5.13E-04 | 2.53E-03 | 2.02E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Acrylonitrile | 1.05E-05 | 1.05E-05 | 1.22E-05 | 1.46E-05 | 1.59E-05 | 1.95E-05 | 2.37E-05 | 2.37E-05 | 1.19E-06 | 1.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Arsenic Compounds | 4.76E-06 | 4.76E-06 | 5.12E-06 | 6.94E-06 | 7.81E-06 | 1.05E-05 | 1.26E-05 | 1.26E-05 | 6.96E-10 | 5.11E-07 | 3.58E-06 | 3.72E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Benzene | 5.19E-01 | 5.19E-01 | 5.26E-01 | 5.47E-01 | 5.57E-01 | 5.87E-01 | 6.14E-01 | 6.14E-01 | 6.52E-09 | 2.27E-02 | 2.78E-02 | 2.63E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Beryllium Compounds | 2.82E-07 | 2.82E-07 | 3.69E-07 | 5.63E-07 | 6.49E-07 | 9.29E-07 | 1.19E-06 | 1.19E-06 | 2.07E-10 | 2.46E-07 | 0.00E+00 | 4.03E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | 1,3-Butadiene | 1.65E-03 | 1.65E-03 | 1.76E-03 | 2.89E-03 | 3.78E-03 | 5.80E-03 | 7.71E-03 | 7.71E-03 | 9.00E-09 | 9.54E-05 | 1.79E-03 | 1.90E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Cadmium Compounds | 1.11E-06 | 1.11E-06 | 1.12E-06 | 1.54 | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | | |
|-----------|---------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Minnesota | Pope County | 27121 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Pope County | 27121 | R | Hexamethylene Diisocyanate | 4.09E-07 | 4.09E-07 | 4.99E-07 | 6.08E-07 | 6.28E-07 | 7.56E-07 | 8.85E-07 | 8.85E-07 | 0.00E+00 | 6.28E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Hydrazine | 1.57E-10 | 1.57E-10 | 1.94E-10 | 1.24E-09 | 1.93E-09 | 3.67E-09 | 5.10E-09 | 5.10E-09 | 0.00E+00 | 1.93E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Lead Compounds | 8.53E-05 | 8.53E-05 | 8.64E-05 | 9.11E-05 | 9.62E-05 | 1.06E-04 | 1.17E-04 | 1.17E-04 | 4.59E-06 | 6.50E-05 | 0.00E+00 | 2.66E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Manganese Compounds | 7.88E-06 | 7.88E-06 | 9.87E-06 | 1.27E-05 | 1.18E-05 | 1.37E-05 | 1.40E-05 | 1.40E-05 | 1.29E-09 | 1.08E-05 | 6.30E-07 | 3.60E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 5.24E-06 | 4.65E-07 | 4.15E-06 | 3.57E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.55E-01 | 1.58E-01 | 1.62E-01 | 1.68E-01 | 1.68E-01 | 0.00E+00 | 7.69E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Nickel Compounds | 3.34E-06 | 3.34E-06 | 4.19E-06 | 6.73E-06 | 1.03E-05 | 1.64E-05 | 2.44E-05 | 2.44E-05 | 5.11E-09 | 8.12E-06 | 1.57E-06 | 5.96E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.43E-01 | 0.00E+00 | 1.28E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Pope County | 27121 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.85E-04 | 3.89E-04 | 3.93E-04 | 4.01E-04 | 4.10E-04 | 4.10E-04 | 0.00E+00 | 1.27E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Polycyclic Organic Matter | 2.71E-03 | 2.71E-03 | 3.31E-03 | 4.96E-03 | 5.57E-03 | 7.82E-03 | 9.63E-03 | 9.63E-03 | 6.33E-06 | 4.63E-03 | 6.34E-04 | 2.97E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | 7-PAH | 1.16E-04 | 1.16E-04 | 1.46E-04 | 2.26E-04 | 2.43E-04 | 3.39E-04 | 4.03E-04 | 4.03E-04 | 1.77E-08 | 2.30E-04 | 4.95E-06 | 8.19E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Propylene Dichloride | 9.54E-08 | 9.54E-08 | 9.95E-08 | 1.83E-07 | 2.52E-07 | 4.04E-07 | 5.46E-07 | 5.46E-07 | 0.00E+00 | 2.52E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Quinoline | 2.02E-09 | 2.02E-09 | 3.47E-09 | 8.34E-09 | 8.75E-09 | 1.40E-08 | 1.63E-08 | 1.63E-08 | 0.00E+00 | 8.75E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | 1,1,2,2-Tetrachloroethane | 2.43E-06 | 2.43E-06 | 2.50E-06 | 2.58E-06 | 2.77E-06 | 3.03E-06 | 3.48E-06 | 3.48E-06 | 0.00E+00 | 2.77E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.13E-02 | 8.15E-02 | 8.18E-02 | 8.22E-02 | 8.28E-02 | 8.28E-02 | 0.00E+00 | 7.62E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 | |
| Minnesota | Pope County | 27121 | R | Vinyl Chloride | 2.70E-05 | 2.70E-05 | 4.00E-05 | 5.73E-05 | 6.45E-05 | 8.89E-05 | 1.14E-04 | 1.14E-04 | 0.00E+00 | 6.45E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Acetaldehyde | 1.07E+00 | 1.20E+00 | 1.51E+00 | 1.70E+00 | 1.81E+00 | 2.01E+00 | 2.47E+00 | 2.91E+00 | 5.40E-02 | 6.01E-01 | 1.02E+00 | 1.28E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Acrolein | 9.54E-02 | 1.02E-01 | 1.17E-01 | 1.30E-01 | 1.31E-01 | 1.43E-01 | 1.57E-01 | 1.66E-01 | 2.75E-03 | 1.25E-02 | 9.16E-02 | 2.42E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Acrylonitrile | 2.34E-04 | 2.81E-04 | 3.39E-04 | 4.15E-04 | 4.43E-04 | 5.12E-04 | 6.40E-04 | 6.85E-04 | 1.72E-05 | 4.26E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Arsenic Compounds | 1.34E-04 | 1.48E-04 | 1.97E-04 | 2.60E-04 | 3.24E-04 | 3.52E-04 | 5.83E-04 | 7.53E-04 | 1.60E-04 | 3.53E-05 | 1.03E-04 | 2.63E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Benzene | 1.68E+00 | 1.73E+00 | 1.90E+00 | 2.15E+00 | 2.33E+00 | 2.54E+00 | 3.38E+00 | 3.63E+00 | 4.37E-02 | 3.38E-01 | 1.32E+00 | 1.51E-01 | 4.80E-01 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Beryllium Compounds | 7.45E-06 | 8.09E-06 | 9.66E-06 | 1.22E-05 | 1.31E-05 | 1.52E-05 | 1.87E-05 | 2.17E-05 | 1.88E-06 | 9.86E-06 | 0.00E+00 | 1.37E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | 1,3-Butadiene | 4.07E-02 | 4.70E-02 | 5.56E-02 | 7.27E-02 | 9.60E-02 | 1.15E-01 | 1.92E-01 | 2.30E-01 | 1.12E-03 | 3.56E-04 | 8.00E-02 | 1.45E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Cadmium Compounds | 4.13E-05 | 4.60E-05 | 6.08E-05 | 8.71E-05 | 8.65E-05 | 1.06E-04 | 1.24E-04 | 1.43E-04 | 6.48E-05 | 2.01E-05 | 0.00E+00 | 1.67E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Carbon Disulfide | 5.04E-02 | 5.10E-02 | 5.18E-02 | 5.41E-02 | 5.47E-02 | 5.58E-02 | 5.83E-02 | 6.09E-02 | 1.77E-03 | 5.90E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 1.70E-07 | 7.48E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Ramsey County | 27123 | U | Chloroform | 1.46E-01 | 1.52E-01 | 1.65E-01 | 1.86E-01 | 1.86E-01 | 2.06E-01 | 2.20E-01 | 2.28E-01 | 3.68E-04 | 1.02E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Ramsey County | 27123 | U | Chromium Compounds (includes Hexavalent) | 8.49E-04 | 1.18E-03 | 1.55E-03 | 2.24E-03 | 2.50E-03 | 2.94E-03 | 3.97E-03 | 4.78E-03 | 1.88E-04 | 2.21E-03 | 9.20E-05 | 4.17E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Chromium VI | 2.13E-04 | 3.27E-04 | 5.03E-04 | 7.43E-04 | 1.00E-03 | 1.16E-03 | 1.68E-03 | 2.29E-03 | 6.22E-05 | 9.02E-04 | 3.68E-05 | 1.42E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | 1,4-Dichlorobenzene | 3.96E-02 | 4.38E-02 | 5.13E-02 | 6.10E-02 | 6.59E-02 | 7.97E-02 | 8.90E-02 | 9.60E-02 | 0.00E+00 | 6.59E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | 1,3-Dichloropropene | 1.53E-01 | 1.70E-01 | 2.00E-01 | 2.41E-01 | 2.61E-01 | 3.17E-01 | 3.55E-01 | 3.84E-01 | 0.00E+00 | 2.61E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.94E-07 | 1.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Ethylene Dichloride | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 1.38E-05 | 9.00E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Ramsey County | 27123 | U | Ethylene Oxide | 9.64E-03 | 1.10E-02 | 1.33E-02 | 1.56E-02 | 1.74E-02 | 1.95E-02 | 2.37E-02 | 2.65E-02 | 0.00E+00 | 1.74E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Formaldehyde | 9.14E-01 | 1.02E+00 | 1.16E+00 | 1.26E+00 | 1.37E+00 | 1.51E+00 | 1.89E+00 | 2.14E+00 | 1.00E-01 | 4.23E-02 | 7.19E-01 | 2.54E-01 | 2.50E-01 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.65E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.22E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Hexamethylene Diisocyanate | 1.14E-04 | 1.49E-04 | 1.95E-04 | 2.15E-04 | 2.44E-04 | 2.52E-04 | 3.27E-04 | 4.12E-04 | 9.91E-05 | 1.45E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Hydrazine | 5.02E-08 | 5.97E-08 | 8.30E-08 | 1.37E-07 | 2.22E-07 | 2.24E-07 | 3.83E-07 | 6.30E-07 | 2.03E-08 | 2.02E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Lead Compounds | 4.49E-03 | 5.28E-03 | 7.11E-03 | 1.10E-02 | 1.32E-02 | 1.53E-02 | 2.22E-02 | 2.85E-02 | 4.08E-03 | 3.88E-03 | 0.00E+00 | 5.28E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Manganese Compounds | 1.21E-03 | 1.33E-03 | 1.49E-03 | 2.00E-03 | 2.51E-03 | 2.65E-03 | 3.65E-03 | 5.85E-03 | 3.08E-04 | 2.16E-03 | 2.95E-05 | 5.54E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Mercury Compounds | 1.64E-03 | 1.65E-03 | 1.68E-03 | 1.72E-03 | 1.74E-03 | 1.77E-03 | 1.83E-03 | 1.89E-03 | 3.34E-05 | 8.24E-05 | 9.70E-05 | 2.34E-05 | 1.50E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Methylene Chloride | 3.32E-01 | 3.51E-01 | 3.83E-01 | 4.60E-01 | 4.77E-01 | 5.35E-01 | 6.13E-01 | 7.38E-01 | 2.84E-03 | 3.24E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Nickel Compounds | 7.07E-04 | 7.92E-04 | 1.08E-03 | 1.34E-03 | 1.43E-03 | 1.57E-03 | 1.68E-03 | 2.31E-03 | 3.34E-03 | 4.52E-04 | 9.82E-04 | 6.00E-05 | 6.93E-05 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Perchloroethylene | 1.92E-01 | 1.96E-01 | 2.13E-01 | 2.30E-01 | 2.37E-01 | 2.60E-01 | 2.85E-01 | 3.07E-01 | 2.76E-03 | 9.44E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Polychlorinated Biphenyls | 3.90E-04 | 3.92E-04 | 3.93E-04 | 3.95E-04 | 3.96E-04 | 3.98E-04 | 4.03E-04 | 4.06E-04 | 9.54E-09 | 1.63E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 | |
| Minnesota | Ramsey County | 27123 | U | Polycyclic Organic Matter | 1.19E-01 | 1.28E-01 | 1.49E-01 | 1.79E-01 | 1.85E-01 | 2.07E-01 | 2.42E-01 | 2.61E-01 | 2.43E-02 | 1.29E-01 | 2.46E-02 | 6.97E-03 | 0.00E+00</ | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| | | | | | | | | | | | | | | | | | |
| Minnesota | Red Lake County | 27125 | R | Cadmium Compounds | 5.82E-07 | 5.82E-07 | 5.82E-07 | 4.03E-06 | 4.03E-06 | 7.48E-06 | 7.48E-06 | 7.48E-06 | 3.62E-06 | 3.10E-07 | 0.00E+00 | 9.57E-08 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.89E-07 | 2.22E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Red Lake County | 27125 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 5.80E-06 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Red Lake County | 27125 | R | Chloroform | 8.36E-02 | 8.36E-02 | 8.36E-02 | 8.37E-02 | 8.37E-02 | 8.39E-02 | 8.39E-02 | 8.39E-02 | 2.22E-07 | 7.37E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Red Lake County | 27125 | R | Chromium Compounds (includes Hexavalent) | 2.94E-06 | 2.94E-06 | 2.94E-06 | 3.73E-06 | 3.73E-06 | 4.51E-06 | 4.51E-06 | 4.51E-06 | 1.87E-06 | 8.53E-07 | 7.68E-07 | 2.32E-07 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Chromium VI | 1.22E-06 | 1.22E-06 | 1.22E-06 | 1.26E-06 | 1.26E-06 | 1.31E-06 | 1.31E-06 | 1.31E-06 | 5.69E-07 | 3.10E-07 | 3.05E-07 | 7.90E-08 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | 1,4-Dichlorobenzene | 5.29E-04 | 5.29E-04 | 5.29E-04 | 5.50E-04 | 5.50E-04 | 5.71E-04 | 5.71E-04 | 5.71E-04 | 0.00E+00 | 5.50E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | 1,3-Dichloropropene | 2.05E-03 | 2.05E-03 | 2.05E-03 | 2.16E-03 | 2.16E-03 | 2.27E-03 | 2.27E-03 | 2.27E-03 | 0.00E+00 | 2.16E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 4.51E-06 | 1.91E-09 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Red Lake County | 27125 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.50E-07 | 4.87E-07 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Red Lake County | 27125 | R | Ethylene Oxide | 1.12E-04 | 1.12E-04 | 1.12E-04 | 1.14E-04 | 1.14E-04 | 1.16E-04 | 1.16E-04 | 1.16E-04 | 0.00E+00 | 1.14E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Formaldehyde | 3.04E-01 | 3.04E-01 | 3.04E-01 | 3.06E-01 | 3.06E-01 | 3.07E-01 | 3.07E-01 | 3.07E-01 | 1.52E-06 | 3.77E-03 | 7.52E-03 | 4.42E-02 | 2.50E-01 |
| Minnesota | Red Lake County | 27125 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 9.65E-08 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Red Lake County | 27125 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.49E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Red Lake County | 27125 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Hydrazine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Lead Compounds | 7.01E-05 | 7.01E-05 | 7.01E-05 | 3.93E-04 | 3.93E-04 | 7.17E-04 | 7.17E-04 | 7.17E-04 | 3.14E-04 | 3.71E-06 | 0.00E+00 | 7.54E-05 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Manganese Compounds | 2.72E-06 | 2.72E-06 | 2.72E-06 | 3.40E-06 | 3.40E-06 | 4.08E-06 | 4.08E-06 | 4.08E-06 | 1.49E-06 | 1.43E-06 | 2.33E-07 | 2.56E-07 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 5.03E-06 | 3.32E-07 | 1.51E-06 | 2.41E-06 | 1.50E-03 |
| Minnesota | Red Lake County | 27125 | R | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.04E-06 | 2.96E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Red Lake County | 27125 | R | Nickel Compounds | 7.61E-06 | 7.61E-06 | 7.61E-06 | 8.51E-06 | 8.51E-06 | 9.42E-06 | 9.42E-06 | 9.42E-06 | 2.11E-06 | 5.41E-06 | 5.84E-07 | 4.02E-07 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.54E-07 | 5.61E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Red Lake County | 27125 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.85E-04 | 3.85E-04 | 3.85E-04 | 0.00E+00 | 4.35E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Red Lake County | 27125 | R | Polycyclic Organic Matter | 1.97E-03 | 1.97E-03 | 1.97E-03 | 2.08E-03 | 2.08E-03 | 2.19E-03 | 2.19E-03 | 2.19E-03 | 1.27E-06 | 1.64E-03 | 2.35E-04 | 2.05E-04 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | 7-PAH | 9.57E-05 | 9.57E-05 | 9.57E-05 | 1.04E-04 | 1.04E-04 | 1.13E-04 | 1.13E-04 | 1.13E-04 | 8.94E-09 | 9.47E-05 | 1.79E-06 | 7.66E-06 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Propylene Dichloride | 6.20E-08 | 6.20E-08 | 6.20E-08 | 6.54E-08 | 6.54E-08 | 6.88E-08 | 6.88E-08 | 6.88E-08 | 0.00E+00 | 6.54E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Quinoline | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | 1,1,2,2-Tetrachloroethane | 1.61E-07 | 1.61E-07 | 1.61E-07 | 1.15E-06 | 1.15E-06 | 2.13E-06 | 2.13E-06 | 2.13E-06 | 0.00E+00 | 1.15E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Red Lake County | 27125 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.13E-02 | 0.00E+00 | 2.74E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Red Lake County | 27125 | R | Vinyl Chloride | 4.16E-07 | 4.16E-07 | 4.16E-07 | 2.28E-06 | 2.28E-06 | 4.14E-06 | 4.14E-06 | 4.14E-06 | 0.00E+00 | 2.28E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Acetaldehyde | 7.33E-02 | 7.33E-02 | 9.00E-02 | 1.23E-01 | 1.24E-01 | 1.61E-01 | 1.61E-01 | 1.76E-01 | 2.22E-05 | 6.70E-02 | 3.42E-02 | 2.32E-02 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Acrolein | 2.38E-03 | 2.38E-03 | 2.61E-03 | 2.74E-03 | 3.91E-03 | 6.16E-03 | 6.81E-03 | 6.81E-03 | 3.05E-06 | 5.30E-04 | 2.04E-03 | 1.33E-03 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Acrylonitrile | 9.42E-06 | 9.42E-06 | 1.86E-05 | 3.67E-05 | 5.73E-05 | 1.02E-04 | 1.41E-04 | 1.41E-04 | 0.00E+00 | 5.73E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Arsenic Compounds | 5.54E-06 | 5.54E-06 | 6.40E-06 | 9.14E-06 | 1.19E-05 | 2.02E-05 | 2.10E-05 | 2.10E-05 | 1.20E-06 | 9.42E-07 | 4.10E-06 | 5.66E-06 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Benzene | 5.11E-01 | 5.11E-01 | 5.11E-01 | 5.14E-01 | 5.58E-01 | 6.43E-01 | 6.55E-01 | 6.55E-01 | 8.95E-05 | 3.15E-02 | 3.15E-02 | 1.48E-02 | 4.80E-01 |
| Minnesota | Redwood County | 27127 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Beryllium Compounds | 1.39E-07 | 1.39E-07 | 1.53E-07 | 2.13E-07 | 4.36E-07 | 9.06E-07 | 9.92E-07 | 9.92E-07 | 4.17E-08 | 3.81E-07 | 0.00E+00 | 1.34E-08 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | 1,3-Butadiene | 1.37E-03 | 1.37E-03 | 1.40E-03 | 1.47E-03 | 4.33E-03 | 9.98E-03 | 1.03E-02 | 1.03E-02 | 0.00E+00 | 6.86E-05 | 2.86E-03 | 1.39E-03 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Cadmium Compounds | 2.77E-07 | 2.77E-07 | 4.07E-07 | 7.45E-07 | 8.95E-07 | 1.40E-06 | 1.79E-06 | 1.79E-06 | 2.20E-07 | 6.61E-07 | 0.00E+00 | 1.32E-08 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.73E-02 | 4.73E-02 | 1.86E-07 | 1.23E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Redwood County | 27127 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 5.10E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Redwood County | 27127 | R | Chloroform | 8.36E-02 | 8.36E-02 | 8.36E-02 | 8.37E-02 | 8.47E-02 | 8.68E-02 | 8.70E-02 | 8.70E-02 | 8.05E-07 | 1.73E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Redwood County | 27127 | R | Chromium Compounds (includes Hexavalent) | 1.32E-06 | 1.32E-06 | 3.50E-06 | 8.53E-06 | 7.51E-06 | 1.10E-05 | 1.22E-05 | 1.22E-05 | 4.14E-06 | 8.15E-07 | 2.40E-06 | 1.60E-07 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Chromium VI | 5.37E-07 | 5.37E-07 | 1.14E-06 | 3.24E-06 | 2.68E-06 | 3.82E-06 | 4.12E-06 | 4.12E-06 | 1.30E-06 | 3.80E-07 | 9.47E-07 | 5.45E-08 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | 1,4-Dichlorobenzene | 7.09E-04 | 7.09E-04 | 7.16E-04 | 8.05E-04 | 8.05E-04 | 8.54E-04 | 8.54E-04 | 8.54E-04 | 0.00E+00 | 2.36E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | 1,3-Dichloropropene | 2.78E-03 | 2.78E-03 | 2.79E-03 | 3.13E-03 | 9.51E-03 | 2.23E-02 | 2.29E-02 | 2.29E-02 | 0.00E+00 | 9.51E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.64E-08 | 4.85E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Redwood County | 27127 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 5.46E-07 | 2.96E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Redwood County | 27127 | R | Ethylene Oxide | 1.49E-04 | 1.49E-04 | 1.50E-04 | 1.72E-04 | 5.28E-04 | 1.18E-03 | 1.35E-03 | 1.35E-03 | 0.00E+00 | 5.28E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Formaldehyde | 2.89E-01 | 2.89E-01 | 2.99E-01 | 3.03E-01 | 3.12E-01 | 3.41E-01 | 3.42E-01 | 3.42E-01 | 2.71E-05 | 1.84E-03 | 2.04E-02 | 4.02E-02 | 2.50E-01 |
| Minnesota | Redwood County | 27127 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.35E-05 | 9.35E-05 | 9.35E-05 | 0.00E+00 | 2.60E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Redwood County | 27127 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.82E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Redwood County | 27127 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.13E-09 | 0.00E+00 | 2.48E-08 | 2.48E-08 | 0.00E+00 | 4.13E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Hydrazine | 1.87E-11 | 1.87E-11 | 2.03E-11 | 4.48E-11 | 4.33E-11 | 5.44E-11 | 7.70E-11 | 7.70E-11 | 0.00E+00 | 4.33E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Redwood County | 27127 | R | Lead Compounds | 2.33E-0 | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Redwood County | 27127 | R | 7-PAH | 7.99E-05 | 7.99E-05 | 1.05E-04 | 1.06E-04 | 2.72E-04 | 5.75E-04 | 6.63E-04 | 6.63E-04 | 1.91E-09 | 2.63E-04 | 5.59E-06 | 3.60E-06 | 0.00E+00 | |
| Minnesota | Redwood County | 27127 | R | Propylene Dichloride | 7.01E-08 | 7.01E-08 | 7.79E-08 | 8.82E-08 | 3.10E-07 | 7.05E-07 | 8.34E-07 | 8.34E-07 | 0.00E+00 | 3.10E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Redwood County | 27127 | R | Quinoline | 5.34E-10 | 5.34E-10 | 5.35E-10 | 8.68E-10 | 8.96E-10 | 1.15E-09 | 1.42E-09 | 1.42E-09 | 0.00E+00 | 8.96E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Redwood County | 27127 | R | 1,1,2,2-Tetrachloroethane | 2.17E-06 | 2.17E-06 | 5.26E-06 | 1.09E-05 | 1.51E-05 | 2.53E-05 | 3.63E-05 | 3.63E-05 | 0.00E+00 | 1.51E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Redwood County | 27127 | R | Trichloroethylene | 8.14E-02 | 8.14E-02 | 8.14E-02 | 8.15E-02 | 8.27E-02 | 8.50E-02 | 8.57E-02 | 8.57E-02 | 0.00E+00 | 1.75E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Redwood County | 27127 | R | Vinyl Chloride | 7.89E-05 | 7.89E-05 | 8.56E-05 | 1.02E-04 | 3.56E-04 | 8.03E-04 | 9.63E-04 | 9.63E-04 | 0.00E+00 | 3.56E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Acetaldehyde | 8.70E-02 | 8.70E-02 | 8.89E-02 | 1.46E-01 | 1.76E-01 | 1.79E-01 | 4.12E-01 | 4.12E-01 | 2.76E-04 | 1.11E-01 | 3.42E-02 | 3.04E-02 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Acrolein | 3.20E-03 | 3.20E-03 | 3.21E-03 | 3.28E-03 | 3.68E-03 | 3.88E-03 | 5.22E-03 | 5.22E-03 | 1.07E-05 | 3.14E-04 | 2.03E-03 | 1.32E-03 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Acrylonitrile | 1.72E-05 | 1.72E-05 | 1.88E-05 | 2.76E-05 | 3.43E-05 | 5.40E-05 | 6.06E-05 | 6.06E-05 | 0.00E+00 | 3.43E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Arsenic Compounds | 7.67E-06 | 7.67E-06 | 8.32E-06 | 1.01E-05 | 1.07E-05 | 1.09E-05 | 1.72E-05 | 1.72E-05 | 2.24E-06 | 3.77E-07 | 2.79E-06 | 5.30E-06 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Benzene | 5.17E-01 | 5.17E-01 | 5.18E-01 | 5.22E-01 | 5.28E-01 | 5.29E-01 | 5.63E-01 | 5.63E-01 | 6.05E-05 | 1.46E-02 | 2.19E-02 | 1.19E-02 | 4.80E-01 | |
| Minnesota | Renville County | 27129 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Beryllium Compounds | 3.10E-07 | 3.10E-07 | 3.18E-07 | 3.50E-07 | 3.70E-07 | 3.63E-07 | 5.27E-07 | 5.27E-07 | 1.39E-07 | 1.90E-07 | 0.00E+00 | 4.00E-08 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | 1,3-Butadiene | 1.43E-03 | 1.43E-03 | 1.53E-03 | 1.80E-03 | 2.25E-03 | 2.01E-03 | 4.93E-03 | 4.93E-03 | 0.00E+00 | 2.63E-05 | 1.38E-03 | 8.41E-04 | 0.00E+00 | |
| Minnesota | Renville County | 27129 | R | Cadmium Compounds | 4.86E-07 | 4.86E-07 | 5.94E-07 | 7.05E-07 | 6.90E-07 | 7.32E-07 | 9.17E-07 | 9.17E-07 | 2.57E-07 | 3.93E-07 | 0.00E+00 | 3.97E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 5.91E-06 | 7.24E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.21E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Chloroform | 8.37E-02 | 8.37E-02 | 8.38E-02 | 8.39E-02 | 8.40E-02 | 8.40E-02 | 8.47E-02 | 8.47E-02 | 2.67E-06 | 9.98E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Chromium Compounds (includes Hexavalent) | 4.61E-06 | 4.61E-06 | 5.08E-06 | 5.36E-06 | 5.60E-06 | 5.49E-06 | 7.69E-06 | 7.69E-06 | 2.88E-06 | 9.30E-07 | 1.67E-06 | 1.21E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Chromium VI | 1.26E-06 | 1.26E-06 | 1.31E-06 | 1.54E-06 | 1.62E-06 | 1.79E-06 | 2.29E-06 | 2.29E-06 | 5.44E-07 | 3.70E-07 | 6.60E-07 | 4.12E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | 1,4-Dichlorobenzene | 8.17E-04 | 8.17E-04 | 9.34E-04 | 9.72E-04 | 1.20E-03 | 1.13E-03 | 2.37E-03 | 2.37E-03 | 0.00E+00 | 1.20E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | 1,3-Dichloropropene | 3.16E-03 | 3.16E-03 | 3.62E-03 | 3.78E-03 | 4.69E-03 | 4.38E-03 | 9.45E-03 | 9.45E-03 | 0.00E+00 | 4.69E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 5.44E-08 | 3.30E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.82E-06 | 1.15E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Ethylene Oxide | 1.71E-04 | 1.71E-04 | 1.95E-04 | 2.45E-04 | 2.56E-04 | 2.45E-04 | 5.02E-04 | 5.02E-04 | 0.00E+00 | 2.56E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Formaldehyde | 3.07E-01 | 3.07E-01 | 3.11E-01 | 3.14E-01 | 3.16E-01 | 3.16E-01 | 3.35E-01 | 3.35E-01 | 1.00E-04 | 1.79E-03 | 1.65E-02 | 4.80E-02 | 2.50E-01 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 0.00E+00 | 1.79E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 8.76E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.48E-08 | 3.03E-08 | 5.88E-08 | 5.88E-08 | 0.00E+00 | 1.48E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Hydrazine | 9.99E-11 | 9.99E-11 | 1.02E-10 | 2.23E-10 | 8.54E-10 | 1.01E-09 | 3.47E-09 | 3.47E-09 | 0.00E+00 | 8.54E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Lead Compounds | 3.51E-05 | 3.51E-05 | 6.26E-05 | 6.73E-05 | 6.59E-05 | 7.96E-05 | 8.35E-05 | 8.35E-05 | 3.35E-05 | 4.49E-06 | 0.00E+00 | 2.79E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Manganese Compounds | 5.97E-06 | 5.97E-06 | 6.82E-06 | 1.06E-05 | 9.86E-06 | 1.19E-05 | 1.32E-05 | 1.32E-05 | 7.78E-06 | 1.15E-06 | 5.21E-07 | 4.10E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 3.03E-06 | 3.76E-07 | 3.31E-06 | 4.62E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Methylene Chloride | 1.54E-01 | 1.54E-01 | 1.55E-01 | 1.56E-01 | 1.57E-01 | 1.58E-01 | 1.63E-01 | 1.63E-01 | 1.25E-05 | 6.80E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Nickel Compounds | 1.28E-05 | 1.28E-05 | 1.40E-05 | 1.86E-05 | 1.80E-05 | 2.14E-05 | 2.27E-05 | 2.27E-05 | 1.23E-05 | 3.88E-06 | 1.24E-06 | 5.85E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.85E-06 | 1.31E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.87E-04 | 3.88E-04 | 3.91E-04 | 3.89E-04 | 4.06E-04 | 4.06E-04 | 0.00E+00 | 1.07E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Polycyclic Organic Matter | 2.74E-03 | 2.74E-03 | 3.03E-03 | 3.61E-03 | 3.83E-03 | 3.81E-03 | 6.15E-03 | 6.15E-03 | 1.13E-06 | 3.09E-03 | 4.98E-04 | 2.37E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | 7-PAH | 9.81E-05 | 9.81E-05 | 1.09E-04 | 1.40E-04 | 1.41E-04 | 1.54E-04 | 2.07E-04 | 2.07E-04 | 3.57E-09 | 1.34E-04 | 3.93E-06 | 2.96E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Propylene Dichloride | 1.11E-07 | 1.11E-07 | 1.30E-07 | 1.85E-07 | 1.89E-07 | 2.23E-07 | 3.00E-07 | 3.00E-07 | 0.00E+00 | 1.89E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Quinoline | 1.25E-09 | 1.25E-09 | 2.25E-09 | 3.23E-09 | 4.76E-09 | 5.19E-09 | 1.34E-08 | 1.34E-08 | 0.00E+00 | 4.76E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | 1,1,2,2-Tetrachloroethane | 3.57E-06 | 3.57E-06 | 4.55E-06 | 6.80E-06 | 9.38E-06 | 1.60E-05 | 1.85E-05 | 1.85E-05 | 0.00E+00 | 9.38E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Trichloroethylene | 8.14E-02 | 8.14E-02 | 8.15E-02 | 8.18E-02 | 8.18E-02 | 8.21E-02 | 8.23E-02 | 8.23E-02 | 0.00E+00 | 8.06E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Renville County | 27129 | R | Vinyl Chloride | 9.93E-05 | 9.93E-05 | 9.98E-05 | 1.20E-04 | 1.33E-04 | 1.47E-04 | 2.14E-04 | 2.14E-04 | 0.00E+00 | 1.33E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Acetaldehyde | 3.25E-01 | 3.25E-01 | 3.68E-01 | 5.49E-01 | 9.25E-01 | 7.04E-01 | 3.44E+00 | 3.44E+00 | 2.77E-04 | 7.22E-01 | 1.65E-01 | 3.71E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Acrolein | 1.11E-02 | 1.11E-02 | 1.63E-02 | 2.15E-02 | 1.97E-02 | 2.37E-02 | 2.80E-02 | 2.80E-02 | 4.30E-04 | 3.14E-03 | 1.20E-02 | 4.15E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Acrylonitrile | 1.61E-04 | 1.61E-04 | 2.03E-04 | 2.35E-04 | 3.38E-04 | 5.34E-04 | 5.97E-04 | 5.97E-04 | 1.39E-08 | 3.38E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Arsenic Compounds | 1.63E-05 | 1.63E-05 | 2.36E-05 | 2.82E-05 | 2.99E-05 | 3.71E-05 | 4.33E-05 | 4.33E-05 | 1.98E-06 | 4.54E-06 | 1.42E-05 | 9.17E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Benzene | 6.31E-01 | 6.31E-01 | 6.65E-01 | 7.56E-01 | 7.62E-01 | 8.41E-01 | 9.56E-01 | 9.56E-01 | 1.22E-03 | 9.94E-02 | 1.41E-01 | 3.96E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Beryllium Compounds | 7.39E-07 | 7.39E-07 | 1.73E-06 | 3.13E-06 | 2.89E-06 | 3.86E-06 | 6.10E-06 | 6.10E-06 | 1.03E-07 | 1.52E-06 | 0.00E+00 | 1.27E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | 1,3-Butadiene | 6.07E-03 | 6.07E-03 | 6.60E-03 | 1.29E-02 | 1.24E-02 | 1.58E-02 | 2.58E-02 | 2.58E-02 | 5.18E-05 | 2.34E-04 | 9.05E-03 | 3.09E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Cadmium Compounds | 2.36E-06 | 2.36E-06 | 3.92E-06 | 4.48E-06 | 5.66E-06 | 6.81E-06 | 1.19E-05 | 1.19E-05 | 1.27E-06 | 3.11E-06 | 0.00E+00 | 1.28E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Carbon Disulfide | 4.72E-02 | 4.72E-02 | 4.75E-02 | 4.78E- | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|-------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Rice County | 27131 | U | Ethylene Oxide | 7.74E-04 | 7.74E-04 | 1.31E-03 | 3.95E-03 | 3.20E-03 | 4.88E-03 | 5.33E-03 | 5.33E-03 | 0.00E+00 | 3.20E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Formaldehyde | 3.53E-01 | 3.53E-01 | 3.96E-01 | 4.33E-01 | 4.27E-01 | 4.69E-01 | 4.85E-01 | 4.85E-01 | 1.83E-03 | 1.01E-02 | 9.75E-02 | 6.76E-02 | 2.50E-01 | 2.50E-01 |
| Minnesota | Rice County | 27131 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.36E-05 | 9.36E-05 | 9.39E-05 | 9.42E-05 | 9.42E-05 | 0.00E+00 | 5.92E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Rice County | 27131 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.35E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Rice County | 27131 | U | Hexamethylene Diisocyanate | 8.27E-07 | 8.27E-07 | 6.73E-06 | 1.91E-05 | 1.38E-05 | 2.01E-05 | 2.33E-05 | 2.33E-05 | 2.32E-09 | 1.38E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Hydrazine | 7.14E-10 | 7.14E-10 | 1.24E-09 | 2.17E-09 | 5.26E-09 | 6.77E-09 | 2.10E-08 | 2.10E-08 | 1.93E-10 | 5.07E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Lead Compounds | 1.13E-04 | 1.13E-04 | 3.29E-04 | 1.26E-03 | 1.04E-03 | 1.77E-03 | 2.11E-03 | 2.11E-03 | 6.84E-04 | 1.78E-04 | 0.00E+00 | 1.81E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Manganese Compounds | 2.28E-05 | 2.28E-05 | 2.54E-05 | 3.54E-05 | 4.29E-05 | 4.54E-05 | 8.94E-05 | 8.94E-05 | 7.57E-06 | 3.14E-05 | 3.08E-06 | 9.14E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.54E-03 | 1.55E-03 | 1.55E-03 | 1.10E-06 | 4.83E-06 | 1.53E-05 | 9.06E-06 | 1.50E-03 | 1.50E-03 |
| Minnesota | Rice County | 27131 | U | Methylene Chloride | 1.69E-01 | 1.69E-01 | 1.79E-01 | 2.41E-01 | 2.30E-01 | 2.80E-01 | 2.97E-01 | 2.97E-01 | 2.02E-04 | 7.95E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Rice County | 27131 | U | Nickel Compounds | 7.50E-05 | 7.50E-05 | 9.25E-05 | 1.24E-04 | 1.42E-04 | 1.80E-04 | 2.50E-04 | 2.50E-04 | 5.18E-06 | 1.27E-04 | 7.48E-06 | 2.46E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Perchloroethylene | 1.46E-01 | 1.46E-01 | 1.49E-01 | 1.60E-01 | 1.59E-01 | 1.64E-01 | 1.77E-01 | 1.77E-01 | 3.79E-04 | 1.83E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Rice County | 27131 | U | Polychlorinated Biphenyls | 3.95E-04 | 3.95E-04 | 4.00E-04 | 4.37E-04 | 4.41E-04 | 4.84E-04 | 5.10E-04 | 5.10E-04 | 6.02E-10 | 6.08E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Rice County | 27131 | U | Polycyclic Organic Matter | 1.28E-02 | 1.28E-02 | 1.78E-02 | 3.92E-02 | 3.20E-02 | 4.36E-02 | 5.00E-02 | 5.00E-02 | 1.90E-04 | 2.79E-02 | 2.98E-03 | 9.81E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | 7-PAH | 4.62E-04 | 4.62E-04 | 5.02E-04 | 9.65E-04 | 8.28E-04 | 1.09E-03 | 1.23E-03 | 1.23E-03 | 2.84E-07 | 7.97E-04 | 2.14E-05 | 9.72E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Propylene Dichloride | 5.20E-07 | 5.20E-07 | 1.40E-06 | 1.48E-06 | 2.69E-06 | 1.93E-06 | 1.05E-05 | 1.05E-05 | 0.00E+00 | 2.69E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Quinoline | 8.76E-09 | 8.76E-09 | 1.13E-08 | 2.91E-08 | 3.40E-08 | 4.84E-08 | 9.08E-08 | 9.08E-08 | 0.00E+00 | 3.40E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | 1,1,2,2-Tetrachloroethane | 4.11E-05 | 4.11E-05 | 5.59E-05 | 6.15E-05 | 8.26E-05 | 6.90E-05 | 1.78E-04 | 1.78E-04 | 0.00E+00 | 8.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rice County | 27131 | U | Trichloroethylene | 8.90E-02 | 8.90E-02 | 9.83E-02 | 1.01E-01 | 1.24E-01 | 1.36E-01 | 2.10E-01 | 2.10E-01 | 3.29E-02 | 9.75E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 8.10E-02 |
| Minnesota | Rice County | 27131 | U | Vinyl Chloride | 4.37E-04 | 4.37E-04 | 7.61E-04 | 1.75E-04 | 2.66E-03 | 1.59E-03 | 1.28E-02 | 1.28E-02 | 0.00E+00 | 2.66E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Acetaldehyde | 1.24E-01 | 1.24E-01 | 1.24E-01 | 1.79E-01 | 1.62E-01 | 1.83E-01 | 1.83E-01 | 1.83E-01 | 0.00E+00 | 4.18E-02 | 8.15E-02 | 3.86E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Acrolein | 5.54E-03 | 5.54E-03 | 5.54E-03 | 8.24E-03 | 7.76E-03 | 9.49E-03 | 9.49E-03 | 9.49E-03 | 0.00E+00 | 8.10E-04 | 4.28E-03 | 2.66E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Acrylonitrile | 5.50E-05 | 5.50E-05 | 5.50E-05 | 5.82E-05 | 6.75E-05 | 8.92E-05 | 8.92E-05 | 8.92E-05 | 0.00E+00 | 6.75E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Arsenic Compounds | 1.03E-05 | 1.03E-05 | 1.03E-05 | 1.50E-05 | 1.62E-05 | 2.31E-05 | 2.31E-05 | 2.31E-05 | 5.47E-10 | 9.59E-07 | 6.44E-06 | 8.76E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Benzene | 5.44E-01 | 5.44E-01 | 5.44E-01 | 5.80E-01 | 5.86E-01 | 6.35E-01 | 6.35E-01 | 6.35E-01 | 7.42E-09 | 2.81E-02 | 5.17E-02 | 2.64E-02 | 4.80E-01 | 4.80E-01 |
| Minnesota | Rock County | 27133 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Beryllium Compounds | 4.28E-07 | 4.28E-07 | 4.28E-07 | 7.41E-07 | 6.77E-07 | 8.62E-07 | 8.62E-07 | 8.62E-07 | 3.49E-11 | 3.55E-07 | 0.00E+00 | 3.22E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | 1,3-Butadiene | 3.83E-03 | 3.83E-03 | 3.83E-03 | 6.08E-03 | 6.25E-03 | 8.84E-03 | 8.84E-03 | 8.84E-03 | 0.00E+00 | 6.99E-05 | 3.55E-03 | 2.63E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Cadmium Compounds | 7.17E-07 | 7.17E-07 | 7.17E-07 | 1.34E-06 | 1.17E-06 | 1.45E-06 | 1.45E-06 | 1.45E-06 | 3.36E-09 | 8.54E-07 | 0.00E+00 | 3.21E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.72E-02 | 0.00E+00 | 1.18E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 4.70E-02 |
| Minnesota | Rock County | 27133 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.56E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 8.80E-01 |
| Minnesota | Rock County | 27133 | R | Chloroform | 8.44E-02 | 8.44E-02 | 8.44E-02 | 8.59E-02 | 8.87E-02 | 9.59E-02 | 9.59E-02 | 9.59E-02 | 0.00E+00 | 5.74E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 8.30E-02 |
| Minnesota | Rock County | 27133 | R | Chromium Compounds (includes Hexavalent) | 3.53E-06 | 3.53E-06 | 3.53E-06 | 5.43E-06 | 5.06E-06 | 6.22E-06 | 6.22E-06 | 6.22E-06 | 4.15E-09 | 7.42E-07 | 3.96E-06 | 3.59E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Chromium VI | 1.39E-06 | 1.39E-06 | 1.39E-06 | 2.15E-06 | 2.00E-06 | 2.46E-06 | 2.46E-06 | 2.46E-06 | 1.41E-09 | 3.23E-07 | 1.55E-06 | 1.22E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | 1,4-Dichlorobenzene | 1.12E-03 | 1.12E-03 | 1.12E-03 | 2.00E-03 | 3.60E-03 | 7.67E-03 | 7.67E-03 | 7.67E-03 | 0.00E+00 | 3.60E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | 1,3-Dichloropropene | 3.39E-03 | 3.39E-03 | 3.39E-03 | 5.77E-03 | 1.31E-02 | 3.00E-02 | 3.00E-02 | 3.00E-02 | 0.00E+00 | 1.31E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 8.68E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 7.70E-03 |
| Minnesota | Rock County | 27133 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 2.39E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 6.10E-02 |
| Minnesota | Rock County | 27133 | R | Ethylene Oxide | 1.52E-04 | 1.52E-04 | 1.52E-04 | 2.75E-04 | 6.27E-04 | 1.46E-03 | 1.46E-03 | 1.46E-03 | 0.00E+00 | 6.27E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Formaldehyde | 3.40E-01 | 3.40E-01 | 3.40E-01 | 3.73E-01 | 3.65E-01 | 3.81E-01 | 3.81E-01 | 3.81E-01 | 3.58E-07 | 2.32E-03 | 3.94E-02 | 7.29E-02 | 2.50E-01 | 2.50E-01 |
| Minnesota | Rock County | 27133 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.36E-05 | 9.36E-05 | 9.36E-05 | 0.00E+00 | 3.24E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 9.30E-05 |
| Minnesota | Rock County | 27133 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.67E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 1.80E-03 |
| Minnesota | Rock County | 27133 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Hydrazine | 5.34E-11 | 5.34E-11 | 5.34E-11 | 7.97E-11 | 1.02E-10 | 1.73E-10 | 1.73E-10 | 1.73E-10 | 0.00E+00 | 1.02E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Lead Compounds | 5.96E-05 | 5.96E-05 | 5.96E-05 | 1.09E-04 | 1.08E-04 | 1.55E-04 | 1.55E-04 | 1.55E-04 | 1.51E-09 | 1.03E-05 | 0.00E+00 | 9.74E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Manganese Compounds | 2.45E-06 | 2.45E-06 | 2.45E-06 | 4.32E-06 | 4.28E-06 | 6.07E-06 | 6.07E-06 | 6.07E-06 | 1.10E-09 | 2.33E-06 | 1.23E-06 | 7.23E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 9.18E-10 | 6.80E-07 | 7.56E-06 | 7.76E-06 | 1.50E-03 | 1.50E-03 |
| Minnesota | Rock County | 27133 | R | Methylene Chloride | 1.55E-01 | 1.55E-01 | 1.55E-01 | 1.59E-01 | 1.66E-01 | 1.85E-01 | 1.85E-01 | 1.85E-01 | 0.00E+00 | 1.64E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 1.50E-01 |
| Minnesota | Rock County | 27133 | R | Nickel Compounds | 8.58E-06 | 8.58E-06 | 8.58E-06 | 1.93E-05 | 2.11E-05 | 3.54E-05 | 3.54E-05 | 3.54E-05 | 5.74E-09 | 1.69E-05 | 3.08E-06 | 1.10E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | Perchloroethylene | 1.42E-01 | 1.42E-01 | 1.42E-01 | 1.44E-01 | 1.47E-01 | 1.56E-01 | 1.56E-01 | 1.56E-01 | 0.00E+00 | 7.08E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 1.40E-01 |
| Minnesota | Rock County | 27133 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.85E-04 | 3.88E-04 | 4.05E-04 | 4.42E-04 | 4.42E-04 | 4.42E-04 | 0.00E+00 | 2.53E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 3.80E-04 |
| Minnesota | Rock County | 27133 | R | Polycyclic Organic Matter | 3.75E-03 | 3.75E-03 | 3.75E-03 | 6.65E-03 | 7.80E-03 | 1.57E-02 | 1.57E-02 | 1.57E-02 | 2.46E-09 | 6.90E-03 | 1.24E-03 | 5.65E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Rock County | 27133 | R | 7-PAH | 1.23E-04 | 1.23E-04 | 1.23E-04 | 2.27E-04 | 2.68E-04 | 4.52E-04 | 4. | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | Contribution to Average from ... | | | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| | | | | | | | | | | | | | | | | | | |
| Minnesota | Roseau County | 27135 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Beryllium Compounds | 5.06E-08 | 5.06E-08 | 5.23E-08 | 8.26E-08 | 9.49E-08 | 1.37E-07 | 1.52E-07 | 1.52E-07 | 1.98E-10 | 9.06E-08 | 0.00E+00 | 4.05E-09 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | 1,3-Butadiene | 9.58E-04 | 9.58E-04 | 1.08E-03 | 1.69E-03 | 2.09E-03 | 3.13E-03 | 3.60E-03 | 3.60E-03 | 5.65E-04 | 1.01E-03 | 5.14E-04 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Roseau County | 27135 | R | Cadmium Compounds | 1.03E-07 | 1.03E-07 | 1.56E-07 | 1.84E-07 | 2.62E-07 | 3.48E-07 | 5.18E-07 | 5.18E-07 | 1.86E-08 | 2.14E-07 | 0.00E+00 | 2.94E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 0.00E+00 | 3.44E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 6.08E-06 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Chloroform | 8.32E-02 | 8.32E-02 | 8.32E-02 | 8.36E-02 | 8.37E-02 | 8.42E-02 | 8.43E-02 | 8.43E-02 | 0.00E+00 | 7.04E-04 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Chromium Compounds (includes Hexavalent) | 5.87E-07 | 5.87E-07 | 6.28E-07 | 1.08E-06 | 1.51E-06 | 2.27E-06 | 2.96E-06 | 2.96E-06 | 2.34E-08 | 3.81E-07 | 9.47E-07 | 1.55E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Chromium VI | 2.38E-07 | 2.38E-07 | 2.64E-07 | 4.58E-07 | 6.53E-07 | 9.58E-07 | 1.35E-06 | 1.35E-06 | 1.31E-08 | 2.16E-07 | 3.71E-07 | 5.27E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | 1,4-Dichlorobenzene | 1.98E-04 | 1.98E-04 | 2.05E-04 | 3.92E-04 | 5.68E-04 | 9.44E-04 | 1.10E-03 | 1.10E-03 | 0.00E+00 | 5.68E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | 1,3-Dichloropropene | 7.85E-04 | 7.85E-04 | 7.99E-04 | 1.55E-03 | 2.28E-03 | 3.81E-03 | 4.46E-03 | 4.46E-03 | 0.00E+00 | 2.28E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 1.73E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 2.73E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Ethylene Oxide | 4.12E-05 | 4.12E-05 | 4.37E-05 | 8.40E-05 | 1.35E-04 | 1.96E-04 | 3.11E-04 | 3.11E-04 | 0.00E+00 | 1.35E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Formaldehyde | 2.70E-01 | 2.70E-01 | 2.71E-01 | 2.83E-01 | 2.84E-01 | 2.88E-01 | 3.08E-01 | 3.08E-01 | 1.55E-06 | 7.63E-03 | 8.26E-03 | 1.81E-02 | 2.50E-01 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.05E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.60E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Hydrazine | 5.32E-11 | 5.32E-11 | 6.11E-10 | 6.64E-10 | 6.35E-10 | 6.64E-10 | 1.17E-09 | 1.17E-09 | 0.00E+00 | 6.00E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Lead Compounds | 2.75E-06 | 2.75E-06 | 7.55E-06 | 3.02E-05 | 8.06E-05 | 8.29E-05 | 2.79E-04 | 2.79E-04 | 8.42E-09 | 2.65E-06 | 0.00E+00 | 7.79E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Manganese Compounds | 6.72E-07 | 6.72E-07 | 9.38E-07 | 7.68E-06 | 1.17E-05 | 8.14E-06 | 4.11E-05 | 4.11E-05 | 6.26E-09 | 1.10E-05 | 3.04E-07 | 3.80E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 5.15E-09 | 1.84E-07 | 1.95E-06 | 1.67E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Methylene Chloride | 1.51E-01 | 1.51E-01 | 1.51E-01 | 1.52E-01 | 1.53E-01 | 1.54E-01 | 1.58E-01 | 1.58E-01 | 0.00E+00 | 3.15E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Nickel Compounds | 5.48E-06 | 5.48E-06 | 9.40E-06 | 9.90E-06 | 1.76E-05 | 1.84E-05 | 4.51E-05 | 4.51E-05 | 3.37E-08 | 1.07E-05 | 7.16E-07 | 6.17E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Perchloroethylene | 1.40E-01 | 1.40E-01 | 1.40E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.42E-01 | 0.00E+00 | 6.79E-04 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Polychlorinated Biphenyls | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.82E-04 | 3.87E-04 | 3.93E-04 | 3.97E-04 | 3.97E-04 | 0.00E+00 | 7.01E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Polycyclic Organic Matter | 8.81E-04 | 8.81E-04 | 1.05E-03 | 2.00E-03 | 2.20E-03 | 3.13E-03 | 3.93E-03 | 3.93E-03 | 1.27E-08 | 1.79E-03 | 2.80E-04 | 1.32E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | 7-PAH | 6.24E-05 | 6.24E-05 | 7.68E-05 | 1.52E-04 | 1.46E-04 | 1.69E-04 | 2.72E-04 | 2.72E-04 | 2.07E-10 | 1.41E-04 | 2.33E-06 | 2.89E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Propylene Dichloride | 3.09E-08 | 3.09E-08 | 4.42E-08 | 4.84E-08 | 8.50E-08 | 1.13E-07 | 1.89E-07 | 1.89E-07 | 0.00E+00 | 8.50E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Quinoline | 8.32E-10 | 8.32E-10 | 2.45E-09 | 3.01E-09 | 2.81E-09 | 3.06E-09 | 4.68E-09 | 4.68E-09 | 0.00E+00 | 2.81E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | 1,1,2,2-Tetrachloroethane | 7.63E-07 | 7.63E-07 | 2.12E-06 | 3.59E-06 | 9.60E-06 | 6.57E-06 | 3.50E-05 | 3.50E-05 | 0.00E+00 | 9.80E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Trichloroethylene | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.12E-02 | 8.15E-02 | 8.16E-02 | 8.26E-02 | 8.26E-02 | 0.00E+00 | 5.39E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Roseau County | 27135 | R | Vinyl Chloride | 1.56E-06 | 1.56E-06 | 4.21E-06 | 7.06E-06 | 1.87E-05 | 1.29E-05 | 6.79E-05 | 6.79E-05 | 0.00E+00 | 1.87E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Acetaldehyde | 3.21E-02 | 4.49E-02 | 7.37E-02 | 2.37E-01 | 4.59E-01 | 5.63E-01 | 7.88E-01 | 1.58E+00 | 5.36E-03 | 5.89E-02 | 2.06E-01 | 1.89E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Acrolein | 7.08E-03 | 8.26E-03 | 1.08E-02 | 1.78E-02 | 2.22E-02 | 3.12E-02 | 3.94E-02 | 4.72E-02 | 6.07E-04 | 6.04E-03 | 1.07E-02 | 4.81E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Acrylonitrile | 2.14E-05 | 4.79E-05 | 1.16E-04 | 1.40E-04 | 1.58E-04 | 1.95E-04 | 2.79E-04 | 3.73E-04 | 0.00E+00 | 1.58E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Arsenic Compounds | 9.94E-06 | 2.11E-05 | 5.64E-05 | 1.06E-04 | 1.96E-03 | 5.68E-04 | 2.56E-03 | 4.54E-03 | 1.92E-03 | 3.92E-06 | 1.85E-05 | 1.45E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Benzene | 5.24E-01 | 5.36E-01 | 5.84E-01 | 7.72E-01 | 8.40E-01 | 1.06E+00 | 1.20E+00 | 1.45E+00 | 1.26E-02 | 9.20E-02 | 2.06E-01 | 4.97E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Beryllium Compounds | 6.37E-07 | 9.17E-07 | 2.37E-06 | 4.12E-06 | 2.76E-05 | 9.40E-06 | 3.59E-05 | 5.78E-05 | 2.55E-05 | 1.70E-06 | 0.00E+00 | 4.33E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | 1,3-Butadiene | 2.43E-03 | 2.87E-03 | 5.25E-03 | 1.54E-02 | 2.44E-02 | 3.79E-02 | 5.65E-02 | 8.28E-02 | 3.78E-05 | 1.33E-03 | 2.02E-02 | 2.91E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Cadmium Compounds | 2.19E-06 | 6.75E-06 | 1.23E-05 | 2.22E-05 | 4.84E-05 | 4.39E-05 | 7.65E-05 | 1.48E-04 | 4.26E-05 | 2.74E-06 | 0.00E+00 | 3.03E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Carbon Disulfide | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.73E-02 | 4.77E-02 | 4.78E-02 | 4.88E-02 | 4.99E-02 | 2.19E-05 | 6.99E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 3.04E-05 | 1.96E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Chloroform | 8.35E-02 | 8.39E-02 | 8.51E-02 | 9.12E-02 | 9.27E-02 | 9.67E-02 | 1.03E-01 | 1.14E-01 | 1.27E-04 | 9.54E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Chromium Compounds (includes Hexavalent) | 1.89E-05 | 2.29E-05 | 3.48E-05 | 7.06E-05 | 2.91E-04 | 2.72E-04 | 6.87E-04 | 1.17E-03 | 2.58E-04 | 8.41E-06 | 1.49E-05 | 9.43E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Chromium VI | 7.62E-06 | 8.52E-06 | 1.34E-05 | 2.69E-05 | 9.66E-05 | 9.66E-05 | 2.12E-04 | 3.93E-04 | 8.49E-05 | 2.59E-06 | 5.93E-06 | 3.21E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | 1,4-Dichlorobenzene | 5.49E-04 | 6.68E-04 | 2.45E-03 | 1.13E-02 | 1.44E-02 | 2.04E-02 | 2.91E-02 | 4.39E-02 | 0.00E+00 | 1.44E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | 1,3-Dichloropropene | 2.06E-03 | 2.59E-03 | 9.78E-03 | 4.58E-02 | 5.86E-02 | 8.34E-02 | 1.19E-01 | 1.80E-01 | 0.00E+00 | 5.86E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 2.16E-08 | 7.73E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | St. Louis County | 27137 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.07E-06 | 4.72E-05 | 0.00E+00 | 0.00E+00 | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | St. Louis County | 27137 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.52E-01 | 1.53E-01 | 1.60E-01 | 1.69E-01 | 1.78E-01 | 1.55E-05 | 1.35E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | St. Louis County | 27137 | U | Polychlorinated Biphenyls | 3.81E-04 | 3.83E-04 | 3.90E-04 | 4.15E-04 | 4.29E-04 | 4.47E-04 | 4.96E-04 | 5.18E-04 | 1.69E-09 | 4.88E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | St. Louis County | 27137 | U | Polycyclic Organic Matter | 3.09E-03 | 4.47E-03 | 1.10E-02 | 3.44E-02 | 3.52E-02 | 5.05E-02 | 6.52E-02 | 8.67E-02 | 1.65E-03 | 2.62E-02 | 4.50E-03 | 2.84E-03 | 0.00E+00 | |
| Minnesota | St. Louis County | 27137 | U | 7-PAH | 3.25E-04 | 3.60E-04 | 5.20E-04 | 7.58E-04 | 8.14E-04 | 1.01E-03 | 1.18E-03 | 1.51E-03 | 4.56E-07 | 7.10E-04 | 3.07E-05 | 7.36E-05 | 0.00E+00 | |
| Minnesota | St. Louis County | 27137 | U | Propylene Dichloride | 4.81E-08 | 1.19E-07 | 8.09E-07 | 1.35E-06 | 2.34E-06 | 2.82E-06 | 4.81E-06 | 8.41E-06 | 0.00E+00 | 2.34E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | St. Louis County | 27137 | U | Quinoline | 1.10E-09 | 4.88E-09 | 1.27E-08 | 4.36E-08 | 1.14E-07 | 9.19E-08 | 2.60E-07 | 4.06E-07 | 0.00E+00 | 1.14E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | St. Louis County | 27137 | U | 1,1,2,2-Tetrachloroethane | 5.27E-06 | 7.02E-06 | 3.48E-05 | 4.18E-05 | 4.36E-05 | 6.02E-05 | 7.33E-05 | 8.81E-05 | 0.00E+00 | 4.36E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | St. Louis County | 27137 | U | Trichloroethylene | 8.12E-02 | 8.16E-02 | 8.29E-02 | 8.46E-02 | 8.89E-02 | 8.90E-02 | 1.00E-01 | 1.09E-01 | 1.09E-05 | 7.89E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | St. Louis County | 27137 | U | Vinyl Chloride | 3.95E-05 | 5.98E-05 | 1.39E-04 | 1.86E-04 | 4.48E-04 | 3.41E-04 | 7.38E-04 | 1.43E-03 | 0.00E+00 | 4.48E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Acetaldehyde | 3.08E-01 | 3.16E-01 | 6.16E-01 | 7.00E-01 | 7.81E-01 | 9.84E-01 | 1.27E+00 | 1.34E+00 | 4.31E-03 | 3.53E-01 | 3.66E-01 | 5.82E-02 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Acrolein | 1.99E-02 | 2.35E-02 | 3.82E-02 | 4.67E-02 | 4.39E-02 | 5.36E-02 | 5.72E-02 | 6.00E-02 | 8.92E-04 | 4.52E-03 | 3.01E-02 | 8.39E-03 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Acrylonitrile | 1.08E-04 | 1.30E-04 | 1.43E-04 | 1.60E-04 | 2.08E-04 | 1.73E-04 | 2.14E-04 | 2.19E-04 | 5.67E-07 | 2.08E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Arsenic Compounds | 2.60E-05 | 2.62E-05 | 4.48E-05 | 6.11E-05 | 6.94E-05 | 7.72E-05 | 9.55E-05 | 1.01E-04 | 7.63E-06 | 2.14E-05 | 2.86E-05 | 1.17E-05 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Benzene | 7.22E-01 | 7.39E-01 | 8.86E-01 | 1.04E+00 | 1.01E+00 | 1.08E+00 | 1.22E+00 | 1.29E+00 | 5.21E-03 | 1.20E-01 | 3.38E-01 | 6.87E-02 | 4.80E-01 | |
| Minnesota | Scott County | 27139 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Beryllium Compounds | 1.87E-06 | 1.91E-06 | 2.64E-06 | 3.17E-06 | 3.20E-06 | 3.69E-06 | 3.95E-06 | 4.70E-06 | 3.33E-07 | 2.51E-06 | 0.00E+00 | 3.61E-07 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | 1,3-Butadiene | 5.94E-03 | 8.63E-03 | 1.34E-02 | 1.76E-02 | 2.04E-02 | 2.31E-02 | 2.95E-02 | 4.22E-02 | 1.96E-04 | 2.37E-04 | 1.45E-02 | 5.42E-03 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Cadmium Compounds | 6.16E-06 | 7.24E-06 | 1.50E-05 | 1.89E-05 | 1.82E-05 | 2.15E-05 | 2.57E-05 | 2.95E-05 | 1.02E-05 | 7.51E-06 | 0.00E+00 | 4.15E-07 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Carbon Disulfide | 4.79E-02 | 4.81E-02 | 4.86E-02 | 4.92E-02 | 5.00E-02 | 4.98E-02 | 5.19E-02 | 5.27E-02 | 5.06E-04 | 2.53E-03 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Scott County | 27139 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 3.17E-08 | 3.32E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Scott County | 27139 | U | Chloroform | 9.56E-02 | 9.84E-02 | 1.10E-01 | 1.26E-01 | 1.24E-01 | 1.38E-01 | 1.42E-01 | 1.58E-01 | 1.18E-04 | 4.13E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Scott County | 27139 | U | Chromium Compounds (includes Hexavalent) | 1.12E-04 | 1.75E-04 | 3.14E-04 | 3.64E-04 | 3.52E-04 | 4.27E-04 | 4.80E-04 | 5.35E-04 | 2.74E-05 | 3.00E-04 | 2.30E-05 | 1.54E-06 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Chromium VI | 4.31E-05 | 5.49E-05 | 9.04E-05 | 1.08E-04 | 1.05E-04 | 1.27E-04 | 1.42E-04 | 1.26E-05 | 8.27E-05 | 9.22E-06 | 5.23E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | 1,4-Dichlorobenzene | 8.11E-03 | 9.11E-03 | 1.44E-02 | 2.30E-02 | 2.18E-02 | 2.91E-02 | 3.15E-02 | 3.18E-02 | 0.00E+00 | 2.18E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | 1,3-Dichloropropene | 3.11E-02 | 3.45E-02 | 5.47E-02 | 8.88E-02 | 8.51E-02 | 1.15E-01 | 1.23E-01 | 1.24E-01 | 0.00E+00 | 8.51E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 3.84E-08 | 4.62E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Scott County | 27139 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 1.87E-06 | 4.32E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Scott County | 27139 | U | Ethylene Oxide | 1.82E-03 | 2.00E-03 | 3.36E-03 | 5.48E-03 | 5.14E-03 | 6.93E-03 | 7.54E-03 | 7.89E-03 | 0.00E+00 | 5.14E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Formaldehyde | 4.28E-01 | 4.33E-01 | 5.62E-01 | 6.41E-01 | 6.38E-01 | 7.33E-01 | 7.54E-01 | 9.25E-01 | 1.15E-02 | 2.25E-02 | 2.44E-01 | 1.10E-01 | 2.50E-01 | |
| Minnesota | Scott County | 27139 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.35E-05 | 9.37E-05 | 9.38E-05 | 9.39E-05 | 0.00E+00 | 4.82E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Scott County | 27139 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.83E-07 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Scott County | 27139 | U | Hexamethylene Diisocyanate | 2.86E-05 | 3.04E-05 | 3.55E-05 | 4.92E-05 | 5.04E-05 | 5.82E-05 | 6.98E-05 | 8.68E-05 | 3.79E-06 | 4.66E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Hydrazine | 1.20E-08 | 1.32E-08 | 2.26E-08 | 6.02E-08 | 9.42E-08 | 7.84E-08 | 2.72E-07 | 3.02E-07 | 2.46E-09 | 9.17E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Lead Compounds | 9.61E-04 | 1.18E-03 | 2.35E-03 | 2.64E-03 | 3.41E-03 | 4.17E-03 | 5.81E-03 | 6.36E-03 | 1.06E-03 | 1.66E-03 | 0.00E+00 | 6.90E-04 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Manganese Compounds | 5.83E-05 | 9.68E-05 | 1.89E-04 | 2.27E-04 | 2.14E-04 | 2.60E-04 | 2.94E-04 | 2.95E-04 | 2.99E-05 | 1.75E-04 | 7.10E-06 | 1.72E-06 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Mercury Compounds | 1.52E-03 | 1.53E-03 | 1.55E-03 | 1.56E-03 | 1.56E-03 | 1.57E-03 | 1.58E-03 | 1.59E-03 | 4.77E-06 | 1.34E-05 | 2.91E-05 | 9.99E-06 | 1.50E-03 | |
| Minnesota | Scott County | 27139 | U | Methylene Chloride | 1.98E-01 | 2.05E-01 | 2.49E-01 | 2.98E-01 | 2.82E-01 | 3.12E-01 | 3.55E-01 | 3.60E-01 | 5.59E-03 | 1.27E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Scott County | 27139 | U | Nickel Compounds | 1.27E-04 | 1.32E-04 | 2.09E-04 | 2.43E-04 | 2.36E-04 | 2.80E-04 | 3.25E-04 | 3.32E-04 | 3.76E-05 | 1.67E-04 | 1.70E-05 | 1.44E-05 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Perchloroethylene | 1.51E-01 | 1.52E-01 | 1.61E-01 | 1.68E-01 | 1.68E-01 | 1.73E-01 | 1.87E-01 | 1.88E-01 | 1.81E-03 | 2.63E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Scott County | 27139 | U | Polychlorinated Biphenyls | 3.95E-04 | 4.00E-04 | 4.05E-04 | 4.24E-04 | 4.31E-04 | 4.53E-04 | 4.65E-04 | 4.84E-04 | 1.90E-09 | 5.13E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Scott County | 27139 | U | Polycyclic Organic Matter | 2.41E-02 | 2.86E-02 | 4.22E-02 | 5.80E-02 | 5.61E-02 | 6.92E-02 | 7.90E-02 | 8.49E-02 | 4.02E-03 | 4.39E-02 | 6.37E-03 | 1.87E-03 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | 7-PAH | 7.12E-04 | 7.67E-04 | 9.06E-04 | 1.06E-03 | 1.10E-03 | 1.24E-03 | 1.52E-03 | 1.55E-03 | 2.86E-06 | 1.04E-03 | 4.38E-05 | 1.54E-05 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Propylene Dichloride | 2.12E-06 | 2.30E-06 | 3.36E-06 | 4.97E-06 | 7.32E-06 | 6.55E-06 | 1.24E-05 | 1.45E-05 | 0.00E+00 | 7.32E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Quinoline | 1.09E-07 | 1.48E-07 | 1.98E-07 | 3.32E-07 | 4.17E-07 | 4.19E-07 | 9.68E-07 | 9.89E-07 | 0.00E+00 | 4.17E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | 1,1,2,2-Tetrachloroethane | 1.91E-05 | 1.97E-05 | 2.19E-05 | 2.61E-05 | 2.61E-05 | 2.89E-05 | 3.04E-05 | 3.04E-05 | 0.00E+00 | 2.61E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Scott County | 27139 | U | Trichloroethylene | 9.03E-02 | 9.34E-02 | 9.68E-02 | 1.05E-01 | 1.04E-01 | 1.11E-01 | 1.12E-01 | 1.13E-01 | 6.85E-03 | 1.66E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Scott County | 27139 | U | Vinyl Chloride | 2.74E-04 | 2.78E-04 | 2.87E-04 | 3.29E-04 | 3.52E-04 | 3.72E-04 | 5.25E-04 | 5.46E-04 | 2.52E-07 | 3.51E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Acetaldehyde | 2.05E-01 | 2.05E-01 | 2.92E-01 | 3.31E-01 | 4.77E-01 | 6.41E-01 | 8.68E-01 | 8.68E-01 | 1.17E-04 | 1.13E-01 | 3.44E-01 | 2.04E-02 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Acrolein | 1.51E-02 | 1.51E-02 | 2.06E-02 | 2.49E-02 | 2.77E-02 | 3.17E-02 | 4.66E-02 | 4.10E-05 | 4.68E-03 | 1.95E-02 | 3.48E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Acrylonitrile | 3.48E-05 | 3.48E-05 | 5.72E-05 | 7.42E-05 | 9.30E-05 | 9.35E-05 | 1.97E-04 | 1.97E-04 | 3.87E-07 | 9.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Arsenic Compounds | 1.84E-05 | 1.84E-05 | 2.69E-05 | 4.49E-05 | 4.04E-05 | 5.15E-05 | 6.33E-05 | 6.33E-05 | 2.75E-06 | 4.67E-06 | 2.61E-05 | 6.97E-06 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Benzene | 7.48E-01 | 7.48E-01 | 9.14E-01 | 9.62E-01 | 1.10E+00 | 1.13E+00 | 1.70E+00 | 1.70E+00 | 2.32E-01 | 1.12E-01 | 2.45E-01 | 3.41E-02 | 4.80E-01 | |
| Minnesota | Sherburne County | 27141 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Beryllium Compounds | 1.39E-06 | 1.39E-06 | 2.38E-06 | 5.05E-06 | 4.44E-06 | 5.79E-06 | 9.48E-06 | 9.48E-06 | 2.28E-07 | 1.83E-06 | 0.00E+00 | 2.37E-06 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | 1,3-Butadiene | 5.24E-03 | 5.24E-03 | 9.60E-03 | 2.01E-02 | 1.71E-02 | 2.48E-02 | 2.79E-02 | 5.25E-09 | 4.73E-04 | 1.40E-02 | 2.63E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Sherburne County | 27141 | U | Cadmium Compounds | 4.59E-06 | 4.59E-06 | 1.13E-05 | 1.34E-05 | 1.33E- | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Sherburne County | 27141 | U | 1,3-Dichloropropene | 2.02E-02 | 2.02E-02 | 3.41E-02 | 5.72E-02 | 5.74E-02 | 8.03E-02 | 9.57E-02 | 9.57E-02 | 0.00E+00 | 5.74E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.57E-08 | 8.71E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Sherburne County | 27141 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 2.77E-06 | 3.45E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Sherburne County | 27141 | U | Ethylene Oxide | 1.06E-03 | 1.06E-03 | 2.13E-03 | 3.31E-03 | 3.27E-03 | 4.09E-03 | 5.82E-03 | 5.82E-03 | 0.00E+00 | 3.27E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Formaldehyde | 3.68E-01 | 3.68E-01 | 4.22E-01 | 4.55E-01 | 5.00E-01 | 5.74E-01 | 7.07E-01 | 7.07E-01 | 2.69E-04 | 1.63E-02 | 1.86E-01 | 4.69E-02 | 2.50E-01 |
| Minnesota | Sherburne County | 27141 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.38E-05 | 9.37E-05 | 9.40E-05 | 9.41E-05 | 9.41E-05 | 0.00E+00 | 6.69E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Sherburne County | 27141 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 7.81E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Sherburne County | 27141 | U | Hexamethylene Diisocyanate | 9.68E-09 | 9.68E-09 | 1.49E-08 | 4.41E-07 | 8.85E-06 | 2.49E-05 | 2.74E-05 | 2.74E-05 | 8.00E-07 | 8.05E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Hydrazine | 2.23E-10 | 2.23E-10 | 6.72E-10 | 1.68E-09 | 2.14E-09 | 3.44E-09 | 4.32E-09 | 4.32E-09 | 0.00E+00 | 2.14E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Lead Compounds | 2.29E-04 | 2.29E-04 | 5.43E-04 | 6.31E-04 | 9.90E-04 | 1.32E-03 | 2.43E-03 | 2.43E-03 | 7.60E-05 | 3.17E-04 | 0.00E+00 | 5.97E-04 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Manganese Compounds | 7.58E-05 | 7.58E-05 | 1.10E-04 | 1.68E-04 | 1.69E-04 | 1.79E-04 | 3.59E-04 | 3.59E-04 | 6.96E-05 | 9.11E-05 | 5.48E-06 | 2.45E-06 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.56E-03 | 1.55E-03 | 1.56E-03 | 1.57E-03 | 1.57E-03 | 6.92E-06 | 5.80E-06 | 2.94E-05 | 8.65E-06 | 1.50E-03 |
| Minnesota | Sherburne County | 27141 | U | Methylene Chloride | 1.77E-01 | 1.77E-01 | 1.87E-01 | 2.21E-01 | 2.93E-01 | 2.87E-01 | 8.13E-01 | 8.13E-01 | 1.23E-04 | 1.43E-01 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Sherburne County | 27141 | U | Nickel Compounds | 2.55E-04 | 2.55E-04 | 3.30E-04 | 4.49E-04 | 4.96E-04 | 5.82E-04 | 8.66E-04 | 8.66E-04 | 2.05E-04 | 2.44E-04 | 1.30E-05 | 3.40E-05 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Perchloroethylene | 1.45E-01 | 1.45E-01 | 1.48E-01 | 1.53E-01 | 1.54E-01 | 1.57E-01 | 1.65E-01 | 1.65E-01 | 2.99E-05 | 1.38E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Sherburne County | 27141 | U | Polychlorinated Biphenyls | 4.04E-04 | 4.04E-04 | 4.16E-04 | 4.70E-04 | 4.59E-04 | 4.99E-04 | 5.08E-04 | 5.08E-04 | 2.67E-08 | 7.87E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Sherburne County | 27141 | U | Polycyclic Organic Matter | 1.75E-02 | 1.75E-02 | 2.60E-02 | 4.12E-02 | 3.88E-02 | 4.31E-02 | 6.53E-02 | 6.53E-02 | 9.45E-04 | 3.17E-02 | 4.89E-03 | 1.18E-03 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | 7-PAH | 6.60E-04 | 6.60E-04 | 9.01E-04 | 1.26E-03 | 1.24E-03 | 1.41E-03 | 1.86E-03 | 1.86E-03 | 7.88E-07 | 1.19E-03 | 3.78E-05 | 1.58E-05 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Propylene Dichloride | 3.88E-07 | 3.88E-07 | 9.69E-07 | 1.09E-06 | 1.63E-06 | 1.50E-06 | 4.20E-06 | 4.20E-06 | 0.00E+00 | 1.63E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Quinoline | 4.28E-09 | 4.28E-09 | 1.47E-08 | 1.88E-08 | 3.35E-08 | 3.64E-08 | 9.73E-08 | 9.73E-08 | 0.00E+00 | 3.35E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | 1,1,2,2-Tetrachloroethane | 6.89E-06 | 6.89E-06 | 7.42E-06 | 1.46E-05 | 1.54E-05 | 1.99E-05 | 2.63E-05 | 2.63E-05 | 0.00E+00 | 1.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sherburne County | 27141 | U | Trichloroethylene | 8.44E-02 | 8.44E-02 | 8.59E-02 | 8.90E-02 | 9.23E-02 | 9.80E-02 | 1.06E-01 | 1.06E-01 | 1.23E-03 | 1.01E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Sherburne County | 27141 | U | Vinyl Chloride | 1.35E-04 | 1.35E-04 | 1.72E-04 | 2.99E-04 | 3.78E-04 | 5.62E-04 | 7.04E-04 | 7.04E-04 | 2.23E-06 | 3.76E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Acetaldehyde | 1.26E-01 | 1.26E-01 | 1.28E-01 | 1.30E-01 | 1.33E-01 | 1.38E-01 | 1.46E-01 | 1.46E-01 | 5.61E-07 | 4.26E-02 | 6.57E-02 | 2.48E-02 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Acrolein | 4.01E-03 | 4.01E-03 | 4.85E-03 | 7.36E-03 | 6.94E-03 | 9.03E-03 | 9.04E-03 | 9.04E-03 | 7.49E-08 | 9.14E-04 | 4.25E-03 | 1.78E-03 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Acrylonitrile | 1.65E-05 | 1.65E-05 | 1.91E-05 | 3.26E-05 | 3.28E-05 | 4.64E-05 | 4.93E-05 | 4.93E-05 | 0.00E+00 | 3.28E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Arsenic Compounds | 8.02E-06 | 8.02E-06 | 8.95E-06 | 1.26E-05 | 1.22E-05 | 1.55E-05 | 1.56E-05 | 1.56E-05 | 8.80E-07 | 8.30E-07 | 5.38E-06 | 5.13E-06 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Benzene | 5.30E-01 | 5.30E-01 | 5.40E-01 | 5.75E-01 | 5.70E-01 | 6.01E-01 | 6.01E-01 | 6.01E-01 | 3.61E-07 | 2.80E-02 | 4.43E-02 | 1.80E-02 | 4.80E-01 |
| Minnesota | Sibley County | 27143 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Beryllium Compounds | 2.66E-07 | 2.66E-07 | 2.72E-07 | 3.57E-07 | 3.64E-07 | 4.56E-07 | 4.78E-07 | 4.78E-07 | 1.21E-08 | 3.37E-07 | 0.00E+00 | 1.48E-08 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | 1,3-Butadiene | 2.39E-03 | 2.39E-03 | 2.55E-03 | 4.10E-03 | 4.03E-03 | 5.50E-03 | 5.52E-03 | 5.52E-03 | 1.42E-10 | 2.02E-04 | 2.53E-03 | 1.29E-03 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Cadmium Compounds | 5.70E-07 | 5.70E-07 | 1.02E-06 | 1.89E-06 | 1.70E-06 | 2.39E-06 | 2.45E-06 | 2.45E-06 | 7.64E-07 | 9.22E-07 | 0.00E+00 | 1.49E-08 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.72E-02 | 4.30E-08 | 1.26E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Sibley County | 27143 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.88E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Sibley County | 27143 | R | Chloroform | 8.41E-02 | 8.41E-02 | 8.44E-02 | 8.50E-02 | 8.49E-02 | 8.54E-02 | 8.55E-02 | 8.55E-02 | 0.00E+00 | 1.90E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Sibley County | 27143 | R | Chromium Compounds (includes Hexavalent) | 5.98E-06 | 5.98E-06 | 6.99E-06 | 9.91E-06 | 9.44E-06 | 1.19E-05 | 1.20E-05 | 1.20E-05 | 2.39E-06 | 3.61E-06 | 3.27E-06 | 1.79E-07 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Chromium VI | 2.28E-06 | 2.28E-06 | 2.55E-06 | 3.50E-06 | 3.37E-06 | 4.19E-06 | 4.20E-06 | 4.20E-06 | 5.26E-07 | 1.49E-06 | 1.29E-06 | 6.10E-08 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | 1,4-Dichlorobenzene | 1.22E-03 | 1.22E-03 | 1.47E-03 | 2.38E-03 | 2.27E-03 | 3.07E-03 | 3.09E-03 | 3.09E-03 | 0.00E+00 | 2.27E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | 1,3-Dichloropropene | 4.72E-03 | 4.72E-03 | 5.60E-03 | 9.11E-03 | 8.72E-03 | 1.18E-02 | 1.19E-02 | 1.19E-02 | 0.00E+00 | 8.72E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 4.23E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Sibley County | 27143 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.32E-08 | 1.23E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Sibley County | 27143 | R | Ethylene Oxide | 2.85E-04 | 2.85E-04 | 3.40E-04 | 5.31E-04 | 5.07E-04 | 6.75E-04 | 6.83E-04 | 6.83E-04 | 0.00E+00 | 5.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Formaldehyde | 3.09E-01 | 3.09E-01 | 3.14E-01 | 3.34E-01 | 3.33E-01 | 3.52E-01 | 3.53E-01 | 3.53E-01 | 1.37E-04 | 4.08E-03 | 3.37E-02 | 4.47E-02 | 2.50E-01 |
| Minnesota | Sibley County | 27143 | R | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.33E-05 | 0.00E+00 | 2.44E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Sibley County | 27143 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.23E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Sibley County | 27143 | R | Hexamethylene Diisocyanate | 8.81E-08 | 8.81E-08 | 1.10E-05 | 2.81E-05 | 2.40E-05 | 3.70E-05 | 3.97E-05 | 3.97E-05 | 0.00E+00 | 2.40E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Hydrazine | 2.33E-10 | 2.33E-10 | 6.02E-10 | 1.97E-09 | 1.86E-09 | 3.11E-09 | 3.25E-09 | 3.25E-09 | 0.00E+00 | 1.86E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Lead Compounds | 5.27E-05 | 5.27E-05 | 7.52E-04 | 1.88E-03 | 1.56E-03 | 2.38E-03 | 2.45E-03 | 2.45E-03 | 1.46E-03 | 5.28E-05 | 0.00E+00 | 5.41E-05 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Manganese Compounds | 2.78E-06 | 2.78E-06 | 7.29E-06 | 1.24E-05 | 1.32E-05 | 1.91E-05 | 2.52E-05 | 2.52E-05 | 7.96E-07 | 1.10E-05 | 1.02E-06 | 4.14E-07 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.47E-06 | 7.86E-07 | 6.28E-06 | 4.39E-06 | 1.50E-03 |
| Minnesota | Sibley County | 27143 | R | Methylene Chloride | 1.59E-01 | 1.59E-01 | 1.61E-01 | 1.66E-01 | 1.65E-01 | 1.70E-01 | 1.71E-01 | 1.71E-01 | 3.91E-04 | 1.51E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Sibley County | 27143 | R | Nickel Compounds | 1.75E-05 | 1.75E-05 | 2.70E-05 | 4.27E-05 | 4.47E-05 | 6.24E-05 | 7.61E-05 | 7.61E-05 | 1.02E-06 | 4.06E-05 | 2.45E-06 | 6.65E-07 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.43E-01 | 1.43E-01 | 1.43E-01 | 1.27E-08 | 2.15E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Sibley County | 27143 | R | Polychlorinated Biphenyls | 3.90E-04 | 3.90E-04 | 3.91E-04 | 3.99E-04 | 3.98E-04 | 4.05E-04 | 4.05E-04 | 4.05E-04 | 0.00E+00 | 1.81E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Sibley County | 27143 | R | Polycyclic Organic Matter | 3.56E-03 | 3.56E-03 | 4.53E-03 | 7.67E-03 | 7.30E-03 | 1.01E-02 | 1.03E-02 | 1.03E-02 | 2.25E-06 | 6.06E-03 | 9.74E-04 | 2.64E-04 | 0.00E+00 |
| Minnesota | Sibley County | 27143 | R | 7-PAH | 1.27E-04 | 1.27E-04 | 1.62E-04 | 2.95E-04 | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Stearns County | 27145 | U | Acrylonitrile | 2.20E-05 | 2.68E-05 | 4.86E-05 | 6.15E-05 | 8.40E-05 | 8.01E-05 | 1.33E-04 | 1.42E-04 | 9.72E-08 | 8.39E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | Arsenic Compounds | 1.25E-05 | 1.28E-05 | 1.93E-05 | 2.91E-05 | 3.26E-05 | 4.17E-05 | 6.20E-05 | 6.46E-05 | 1.84E-06 | 4.41E-06 | 1.83E-05 | 8.05E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | Benzene | 5.80E-01 | 5.85E-01 | 6.45E-01 | 7.58E-01 | 7.77E-01 | 8.71E-01 | 1.01E+00 | 1.08E+00 | 5.72E-03 | 9.32E-02 | 1.55E-01 | 4.30E-02 | 4.80E-01 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | Beryllium Compounds | 6.43E-07 | 7.04E-07 | 9.23E-07 | 2.32E-06 | 3.14E-06 | 5.82E-06 | 6.32E-06 | 7.08E-06 | 1.81E-07 | 1.66E-06 | 0.00E+00 | 1.29E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | 1,3-Butadiene | 2.78E-03 | 2.81E-03 | 9.39E-03 | 1.41E-02 | 1.63E-02 | 2.17E-02 | 3.87E-02 | 3.87E-02 | 1.20E-09 | 7.20E-04 | 1.13E-02 | 4.33E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | Cadmium Compounds | 1.07E-06 | 1.17E-06 | 1.62E-06 | 7.83E-06 | 7.71E-06 | 1.33E-05 | 1.44E-05 | 1.58E-05 | 3.62E-06 | 2.79E-06 | 0.00E+00 | 1.30E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Stearns County | 27145 | U | Carbon Disulfide | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.75E-02 | 4.74E-02 | 4.79E-02 | 4.82E-02 | 8.52E-06 | 4.99E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Stearns County | 27145 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.42E-09 | 2.09E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Chloroform | 8.58E-02 | 8.65E-02 | 8.79E-02 | 9.75E-02 | 1.08E-01 | 1.23E-01 | 1.38E-01 | 1.57E-01 | 3.15E-06 | 2.45E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Chromium Compounds (includes Hexavalent) | 1.29E-05 | 6.41E-05 | 1.45E-04 | 5.45E-04 | 6.58E-04 | 9.05E-04 | 1.59E-03 | 1.64E-03 | 8.45E-06 | 6.37E-04 | 1.20E-05 | 8.98E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Chromium VI | 5.01E-06 | 6.75E-06 | 1.29E-05 | 3.74E-05 | 4.08E-05 | 5.44E-05 | 8.26E-05 | 8.34E-05 | 1.05E-06 | 3.47E-05 | 4.80E-06 | 3.05E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | 1,4-Dichlorobenzene | 1.59E-03 | 2.34E-03 | 3.28E-03 | 9.41E-03 | 1.73E-02 | 2.83E-02 | 4.19E-02 | 5.88E-02 | 0.00E+00 | 1.73E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | 1,3-Dichloropropene | 6.21E-03 | 9.02E-03 | 1.29E-02 | 3.75E-02 | 6.99E-02 | 1.15E-01 | 1.70E-01 | 2.40E-01 | 0.00E+00 | 6.99E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 6.36E-08 | 2.16E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 6.12E-02 | 2.62E-06 | 1.05E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Ethylene Oxide | 3.76E-04 | 4.93E-04 | 7.87E-04 | 1.94E-03 | 4.20E-03 | 7.37E-03 | 1.24E-02 | 1.31E-02 | 0.00E+00 | 4.20E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Formaldehyde | 3.15E-01 | 3.19E-01 | 3.48E-01 | 4.00E-01 | 4.14E-01 | 4.52E-01 | 5.27E-01 | 5.62E-01 | 1.45E-04 | 1.21E-02 | 1.00E-01 | 5.19E-02 | 2.50E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.32E-05 | 9.34E-05 | 9.37E-05 | 9.42E-05 | 9.44E-05 | 9.47E-05 | 0.00E+00 | 7.38E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 7.65E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Hexamethylene Diisocyanate | 0.00E+00 | 4.39E-09 | 8.85E-09 | 2.15E-05 | 2.44E-05 | 4.95E-05 | 5.27E-05 | 6.19E-05 | 0.00E+00 | 4.44E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Hydrazine | 1.51E-11 | 1.76E-11 | 3.92E-11 | 1.33E-10 | 8.02E-10 | 1.31E-09 | 3.24E-09 | 3.84E-09 | 0.00E+00 | 8.20E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Lead Compounds | 1.41E-04 | 1.76E-04 | 3.46E-04 | 1.25E-03 | 1.55E-03 | 2.31E-03 | 3.24E-03 | 3.64E-03 | 6.08E-05 | 1.21E-03 | 0.00E+00 | 2.78E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Manganese Compounds | 5.98E-06 | 1.68E-05 | 5.19E-05 | 1.87E-04 | 2.02E-04 | 2.93E-04 | 4.31E-04 | 4.68E-04 | 2.59E-05 | 1.72E-04 | 3.86E-06 | 9.09E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.54E-03 | 1.54E-03 | 1.56E-03 | 1.57E-03 | 1.59E-03 | 5.42E-06 | 7.14E-06 | 2.08E-05 | 8.07E-06 | 1.50E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Methylene Chloride | 1.59E-01 | 1.61E-01 | 1.69E-01 | 2.01E-01 | 2.68E-01 | 3.45E-01 | 4.51E-01 | 6.20E-01 | 1.99E-05 | 1.18E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Nickel Compounds | 9.76E-06 | 5.45E-05 | 1.22E-04 | 5.65E-04 | 6.09E-04 | 9.16E-04 | 1.28E-03 | 1.42E-03 | 1.01E-05 | 5.87E-04 | 9.01E-06 | 3.04E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Perchloroethylene | 1.43E-01 | 1.43E-01 | 1.44E-01 | 1.55E-01 | 1.61E-01 | 1.76E-01 | 1.87E-01 | 1.95E-01 | 6.83E-06 | 2.14E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Polychlorinated Biphenyls | 3.92E-04 | 3.93E-04 | 4.01E-04 | 4.25E-04 | 4.68E-04 | 5.32E-04 | 5.51E-04 | 5.90E-04 | 6.50E-10 | 8.85E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Polycyclic Organic Matter | 8.80E-03 | 1.15E-02 | 1.58E-02 | 3.39E-02 | 4.63E-02 | 7.63E-02 | 9.51E-02 | 1.08E-01 | 2.55E-05 | 4.19E-02 | 3.53E-03 | 9.38E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | 7-PAH | 4.18E-04 | 5.35E-04 | 8.22E-04 | 1.58E-03 | 2.27E-03 | 3.17E-03 | 4.60E-03 | 6.48E-03 | 6.24E-09 | 2.23E-03 | 2.72E-05 | 1.06E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Propylene Dichloride | 1.09E-07 | 1.30E-07 | 1.85E-07 | 4.42E-07 | 1.31E-06 | 9.92E-07 | 2.38E-06 | 3.19E-06 | 0.00E+00 | 1.31E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Quinoline | 3.90E-10 | 4.57E-10 | 1.05E-09 | 2.37E-09 | 4.67E-09 | 7.50E-09 | 1.44E-08 | 1.53E-08 | 0.00E+00 | 4.67E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | 1,1,2,2-Tetrachloroethane | 5.71E-06 | 7.15E-06 | 8.82E-06 | 1.02E-05 | 1.33E-05 | 1.70E-05 | 2.40E-05 | 2.50E-05 | 0.00E+00 | 1.33E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Trichloroethylene | 8.23E-02 | 8.30E-02 | 8.44E-02 | 9.01E-02 | 1.00E-01 | 1.11E-01 | 1.24E-01 | 1.32E-01 | 1.39E-08 | 1.95E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Stearns County | 27145 | U | Vinyl Chloride | 1.27E-04 | 1.34E-04 | 1.70E-04 | 4.31E-04 | 1.32E-03 | 8.15E-04 | 2.54E-03 | 2.90E-03 | 4.83E-08 | 1.32E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Acetaldehyde | 2.07E-01 | 2.07E-01 | 3.76E-01 | 5.20E-01 | 6.80E-01 | 9.93E-01 | 1.46E+00 | 1.46E+00 | 1.68E-06 | 4.99E-01 | 1.51E-01 | 3.10E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Acrolein | 4.92E-03 | 4.92E-03 | 9.18E-03 | 1.60E-02 | 1.53E-02 | 2.04E-02 | 2.66E-02 | 2.66E-02 | 6.12E-08 | 2.16E-03 | 1.03E-02 | 2.83E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Acrylonitrile | 4.23E-05 | 4.23E-05 | 1.57E-04 | 2.86E-04 | 2.65E-04 | 3.79E-04 | 4.32E-04 | 4.32E-04 | 0.00E+00 | 2.65E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Arsenic Compounds | 9.28E-06 | 9.28E-06 | 1.59E-05 | 3.03E-05 | 3.49E-05 | 5.21E-05 | 7.34E-05 | 7.34E-05 | 1.03E-07 | 7.93E-06 | 1.67E-05 | 1.02E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Benzene | 5.47E-01 | 5.47E-01 | 6.01E-01 | 7.42E-01 | 7.66E-01 | 9.02E-01 | 1.09E+00 | 1.09E+00 | 1.03E-06 | 8.75E-02 | 1.62E-01 | 3.68E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Beryllium Compounds | 5.28E-07 | 5.28E-07 | 1.08E-06 | 2.28E-06 | 2.87E-06 | 4.29E-06 | 7.12E-06 | 7.12E-06 | 5.45E-09 | 2.26E-06 | 0.00E+00 | 5.97E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | 1,3-Butadiene | 2.49E-03 | 2.49E-03 | 5.90E-03 | 1.26E-02 | 1.80E-02 | 2.89E-02 | 4.69E-02 | 4.69E-02 | 0.00E+00 | 1.60E-04 | 1.42E-02 | 3.62E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Cadmium Compounds | 9.52E-07 | 9.52E-07 | 1.89E-06 | 4.22E-06 | 5.00E-06 | 7.66E-06 | 1.15E-05 | 1.15E-05 | 1.21E-07 | 4.29E-06 | 0.00E+00 | 5.96E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.74E-02 | 4.76E-02 | 4.79E-02 | 4.84E-02 | 4.84E-02 | 3.08E-08 | 5.63E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 0.00E+00 | 2.61E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Chloroform | 8.39E-02 | 8.39E-02 | 8.50E-02 | 8.84E-02 | 8.81E-02 | 9.04E-02 | 9.31E-02 | 9.31E-02 | 1.40E-08 | 5.08E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Chromium Compounds (includes Hexavalent) | 1.74E-05 | 1.74E-05 | 1.99E-05 | 3.66E-05 | 3.69E-05 | 4.87E-05 | 6.74E-05 | 6.74E-05 | 2.17E-07 | 2.43E-05 | 1.19E-05 | 5.67E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Chromium VI | 5.80E-06 | 5.80E-06 | 7.17E-06 | 1.36E-05 | 1.39E-05 | 1.86E-05 | 2 | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | Contribution to Average from ... | | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------------------------------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Steele County | 27147 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.54E-03 | 1.56E-03 | 1.56E-03 | 4.79E-08 | 3.78E-06 | 1.81E-05 | 9.15E-06 | 1.50E-03 |
| Minnesota | Steele County | 27147 | U | Methylene Chloride | 1.58E-01 | 1.58E-01 | 1.68E-01 | 2.06E-01 | 2.13E-01 | 2.48E-01 | 3.01E-01 | 3.01E-01 | 6.65E-08 | 6.31E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Steele County | 27147 | U | Nickel Compounds | 2.92E-05 | 2.92E-05 | 7.51E-05 | 2.15E-04 | 2.88E-04 | 4.85E-04 | 7.23E-04 | 7.23E-04 | 3.44E-07 | 2.77E-04 | 8.83E-06 | 1.42E-06 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Perchloroethylene | 1.43E-01 | 1.43E-01 | 1.45E-01 | 1.55E-01 | 1.55E-01 | 1.62E-01 | 1.70E-01 | 1.70E-01 | 9.85E-09 | 1.47E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Steele County | 27147 | U | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.92E-04 | 4.29E-04 | 4.23E-04 | 4.52E-04 | 4.52E-04 | 4.52E-04 | 0.00E+00 | 4.30E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Steele County | 27147 | U | Polycyclic Organic Matter | 5.03E-03 | 5.03E-03 | 9.38E-03 | 2.89E-02 | 2.41E-02 | 3.42E-02 | 4.25E-02 | 4.25E-02 | 2.48E-07 | 1.98E-02 | 3.05E-03 | 7.39E-04 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | 7-PAH | 1.48E-04 | 1.48E-04 | 2.95E-04 | 7.26E-04 | 6.11E-04 | 8.54E-04 | 9.91E-04 | 9.91E-04 | 1.46E-09 | 5.79E-04 | 2.46E-05 | 7.84E-06 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Propylene Dichloride | 1.84E-07 | 1.84E-07 | 4.26E-07 | 1.06E-06 | 1.42E-06 | 2.25E-06 | 3.70E-06 | 3.70E-06 | 0.00E+00 | 1.42E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Quinoline | 2.14E-09 | 2.14E-09 | 2.49E-09 | 2.58E-09 | 2.62E-09 | 2.85E-09 | 2.97E-09 | 2.97E-09 | 0.00E+00 | 2.62E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | 1,1,2,2-Tetrachloroethane | 1.18E-05 | 1.18E-05 | 4.59E-05 | 8.06E-05 | 7.00E-05 | 9.78E-05 | 9.96E-05 | 9.96E-05 | 0.00E+00 | 7.00E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Steele County | 27147 | U | Trichloroethylene | 8.33E-02 | 8.33E-02 | 8.67E-02 | 9.25E-02 | 9.64E-02 | 1.05E-01 | 1.20E-01 | 1.20E-01 | 2.30E-03 | 1.31E-02 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Steele County | 27147 | U | Vinyl Chloride | 2.68E-04 | 2.68E-04 | 6.59E-04 | 1.57E-03 | 2.06E-03 | 3.25E-03 | 5.26E-03 | 5.26E-03 | 0.00E+00 | 2.06E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Acetaldehyde | 9.35E-02 | 9.35E-02 | 9.35E-02 | 1.06E-01 | 1.22E-01 | 1.65E-01 | 1.65E-01 | 1.65E-01 | 7.71E-06 | 5.05E-02 | 3.40E-02 | 3.73E-02 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Acrolein | 3.66E-03 | 3.66E-03 | 3.66E-03 | 4.58E-03 | 4.97E-03 | 6.67E-03 | 6.67E-03 | 6.67E-03 | 1.49E-07 | 3.89E-04 | 1.89E-03 | 2.69E-03 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Acrylonitrile | 1.85E-05 | 1.85E-05 | 1.85E-05 | 3.76E-05 | 4.16E-05 | 6.87E-05 | 6.87E-05 | 6.87E-05 | 0.00E+00 | 4.16E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Arsenic Compounds | 6.56E-06 | 6.56E-06 | 6.56E-06 | 9.05E-06 | 9.89E-06 | 1.41E-05 | 1.41E-05 | 1.41E-05 | 2.84E-07 | 5.30E-07 | 2.93E-06 | 6.15E-06 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Benzene | 5.20E-01 | 5.20E-01 | 5.20E-01 | 5.41E-01 | 5.49E-01 | 5.87E-01 | 5.87E-01 | 5.87E-01 | 1.06E-06 | 1.47E-02 | 2.53E-02 | 2.95E-02 | 4.80E-01 |
| Minnesota | Stevens County | 27149 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Beryllium Compounds | 3.59E-07 | 3.59E-07 | 3.59E-07 | 6.94E-07 | 7.26E-07 | 1.13E-06 | 1.13E-06 | 1.13E-06 | 1.49E-08 | 2.65E-07 | 0.00E+00 | 4.47E-07 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | 1,3-Butadiene | 1.83E-03 | 1.83E-03 | 1.83E-03 | 3.98E-03 | 4.63E-03 | 8.08E-03 | 8.08E-03 | 8.08E-03 | 0.00E+00 | 3.65E-05 | 2.04E-03 | 2.55E-03 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Cadmium Compounds | 8.05E-07 | 8.05E-07 | 8.05E-07 | 1.21E-06 | 1.26E-06 | 1.77E-06 | 1.77E-06 | 1.77E-06 | 3.15E-07 | 4.99E-07 | 0.00E+00 | 4.46E-07 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.72E-02 | 1.06E-07 | 1.48E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Stevens County | 27149 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.04E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Stevens County | 27149 | U | Chloroform | 8.36E-02 | 8.36E-02 | 8.36E-02 | 8.43E-02 | 8.47E-02 | 8.60E-02 | 8.60E-02 | 8.60E-02 | 0.00E+00 | 1.65E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Stevens County | 27149 | U | Chromium Compounds (includes Hexavalent) | 1.81E-06 | 1.81E-06 | 1.81E-06 | 2.25E-06 | 2.90E-06 | 4.63E-06 | 4.63E-06 | 4.63E-06 | 1.86E-07 | 5.28E-07 | 1.77E-06 | 4.12E-07 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Chromium VI | 5.61E-07 | 5.61E-07 | 5.61E-07 | 9.06E-07 | 1.11E-06 | 1.88E-06 | 1.88E-06 | 1.88E-06 | 2.05E-08 | 2.55E-07 | 6.99E-07 | 1.40E-07 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | 1,4-Dichlorobenzene | 6.16E-04 | 6.16E-04 | 6.16E-04 | 1.29E-03 | 1.68E-03 | 3.13E-03 | 3.13E-03 | 3.13E-03 | 0.00E+00 | 1.68E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | 1,3-Dichloropropene | 2.39E-03 | 2.39E-03 | 2.39E-03 | 5.15E-03 | 6.74E-03 | 1.27E-02 | 1.27E-02 | 1.27E-02 | 0.00E+00 | 6.74E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 5.33E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Stevens County | 27149 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 3.27E-08 | 5.94E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Stevens County | 27149 | U | Ethylene Oxide | 1.37E-04 | 1.37E-04 | 1.37E-04 | 2.71E-04 | 3.80E-04 | 7.32E-04 | 7.32E-04 | 7.32E-04 | 0.00E+00 | 3.80E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Formaldehyde | 3.12E-01 | 3.12E-01 | 3.12E-01 | 3.26E-01 | 3.32E-01 | 3.57E-01 | 3.57E-01 | 3.57E-01 | 6.14E-07 | 1.99E-03 | 1.75E-02 | 6.24E-02 | 2.50E-01 |
| Minnesota | Stevens County | 27149 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.33E-05 | 0.00E+00 | 1.96E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Stevens County | 27149 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.07E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Stevens County | 27149 | U | Hexamethylene Diisocyanate | 4.82E-07 | 4.82E-07 | 4.82E-07 | 6.56E-07 | 6.55E-07 | 8.29E-07 | 8.29E-07 | 8.29E-07 | 0.00E+00 | 6.55E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Hydrazine | 6.20E-09 | 6.20E-09 | 6.20E-09 | 6.21E-09 | 6.24E-09 | 6.32E-09 | 6.32E-09 | 6.32E-09 | 0.00E+00 | 6.24E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Lead Compounds | 1.44E-04 | 1.44E-04 | 1.44E-04 | 1.51E-04 | 2.91E-04 | 5.76E-04 | 5.76E-04 | 5.76E-04 | 2.00E-06 | 2.12E-04 | 0.00E+00 | 7.61E-05 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Manganese Compounds | 6.46E-06 | 6.46E-06 | 6.46E-06 | 1.39E-05 | 1.17E-05 | 1.48E-05 | 1.48E-05 | 1.48E-05 | 1.70E-06 | 8.93E-06 | 5.38E-07 | 5.52E-07 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.93E-06 | 4.92E-07 | 3.45E-06 | 5.63E-06 | 1.50E-03 |
| Minnesota | Stevens County | 27149 | U | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.54E-01 | 1.55E-01 | 1.60E-01 | 1.60E-01 | 1.60E-01 | 2.11E-07 | 5.44E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Stevens County | 27149 | U | Nickel Compounds | 3.52E-06 | 3.52E-06 | 3.52E-06 | 6.32E-06 | 8.28E-06 | 1.50E-05 | 1.50E-05 | 1.50E-05 | 1.94E-07 | 5.84E-06 | 1.36E-06 | 8.90E-07 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.43E-01 | 1.43E-01 | 1.43E-01 | 3.13E-08 | 1.48E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Stevens County | 27149 | U | Polychlorinated Biphenyls | 3.83E-04 | 3.83E-04 | 3.83E-04 | 3.88E-04 | 3.90E-04 | 3.99E-04 | 3.99E-04 | 3.99E-04 | 0.00E+00 | 1.00E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Stevens County | 27149 | U | Polycyclic Organic Matter | 2.48E-03 | 2.48E-03 | 2.48E-03 | 3.94E-03 | 4.62E-03 | 7.44E-03 | 7.44E-03 | 7.44E-03 | 2.30E-06 | 3.64E-03 | 5.61E-04 | 4.19E-04 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | 7-PAH | 9.60E-05 | 9.60E-05 | 9.60E-05 | 1.36E-04 | 1.46E-04 | 2.05E-04 | 2.05E-04 | 2.05E-04 | 6.68E-09 | 1.32E-04 | 3.64E-06 | 9.82E-06 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Propylene Dichloride | 3.01E-07 | 3.01E-07 | 3.01E-07 | 3.63E-07 | 4.19E-07 | 5.92E-07 | 5.92E-07 | 5.92E-07 | 0.00E+00 | 4.19E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Quinoline | 2.66E-08 | 2.66E-08 | 2.66E-08 | 2.68E-08 | 2.68E-08 | 2.72E-08 | 2.72E-08 | 2.72E-08 | 0.00E+00 | 2.68E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | 1,1,2,2-Tetrachloroethane | 4.93E-06 | 4.93E-06 | 4.93E-06 | 1.04E-05 | 1.11E-05 | 1.80E-05 | 1.80E-05 | 1.80E-05 | 0.00E+00 | 1.11E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Stevens County | 27149 | U | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.16E-02 | 8.19E-02 | 8.28E-02 | 8.28E-02 | 8.28E-02 | 0.00E+00 | 8.86E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Stevens County | 27149 | U | Vinyl Chloride | 2.31E-05 | 2.31E-05 | 2.31E-05 | 4.42E-05 | 5.09E-05 | 8.53E-05 | 8.53E-05 | 8.53E-05 | 0.00E+00 | 5.09E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Acetaldehyde | 9.77E-02 | 9.77E-02 | 9.84E-02 | 1.12E-01 | 2.00E-01 | 3.02E-01 | 4.79E-01 | 4.79E-01 | 3.99E-05 | 1.38E-01 | 3.42E-02 | 2.83E-02 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Acrolein | 2.90E-03 | 2.90E-03 | 3.07E-03 | 3.45E-03 | 4.16E-03 | 5.25E-03 | 6.84E-03 | 6.84E-03 | 3.77E-07 | 5.24E-04 | 1.86E-03 | 1.78E-03 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Acrylonitrile | 2.33E-05 | 2.33E-05 | 2.55E-05 | 2.90E-05 | 3.54E-05 | 4.52E-05 | 6.02E-05 | 6.02E-05 | 0.00E+00 | 3.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Arsenic Compounds | 5.57E-06 | 5.57E-06 | 6.95E-06 | 1.10E-05 | 1.25E-05 | 1.80E-05 | 2.23E-05 | 2.23E-05 | 3.22E-06 | 7.67E-07 | 3.56E-06 | 4.92E-06 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Benzene | 5.15E-01 | 5.15E-01 | 5.17E-01 | 5.22E-01 | 5.67E-01 | 6.18E-01 | 7.12E-01 | 7.12E-01 | 3.76E-06 | 4.20E-02 | 2.71E-02 | 1.84E-02 | 4.80E-01 |
| Minnesota | Swift County | 27151 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | |
|-----------|--------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Swift County | 27151 | U | Chromium VI | 5.06E-07 | 5.06E-07 | 6.15E-07 | 7.62E-07 | 1.34E-06 | 2.07E-06 | 3.34E-06 | 3.34E-06 | 4.80E-08 | 3.72E-07 | 8.21E-07 | 1.02E-07 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | 1,4-Dichlorobenzene | 6.29E-04 | 6.29E-04 | 7.18E-04 | 8.65E-04 | 2.12E-03 | 3.52E-03 | 6.12E-03 | 6.12E-03 | 0.00E+00 | 2.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | 1,3-Dichloropropene | 2.44E-03 | 2.44E-03 | 2.76E-03 | 3.32E-03 | 8.48E-03 | 1.42E-02 | 2.49E-02 | 2.49E-02 | 0.00E+00 | 8.48E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Ethylene Dichloride | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 5.06E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Swift County | 27151 | U | Ethylene Dibromide | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 7.09E-08 | 1.60E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Swift County | 27151 | U | Ethylene Oxide | 1.36E-04 | 1.36E-04 | 1.56E-04 | 1.84E-04 | 4.84E-04 | 8.11E-04 | 1.43E-03 | 1.43E-03 | 0.00E+00 | 4.84E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Formaldehyde | 3.09E-01 | 3.09E-01 | 3.10E-01 | 3.11E-01 | 3.20E-01 | 3.30E-01 | 3.47E-01 | 3.47E-01 | 1.03E-04 | 2.66E-03 | 1.89E-02 | 4.81E-02 | 2.50E-01 |
| Minnesota | Swift County | 27151 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.35E-05 | 9.38E-05 | 9.38E-05 | 0.00E+00 | 2.90E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Swift County | 27151 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.39E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Swift County | 27151 | U | Hexamethylene Diisocyanate | 4.62E-07 | 4.62E-07 | 7.66E-07 | 1.42E-06 | 5.41E-06 | 1.00E-05 | 1.83E-05 | 1.83E-05 | 0.00E+00 | 5.41E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Hydrazine | 7.70E-11 | 7.70E-11 | 8.52E-11 | 1.12E-10 | 5.99E-10 | 1.11E-09 | 2.10E-09 | 2.10E-09 | 0.00E+00 | 5.99E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Lead Compounds | 4.98E-05 | 4.98E-05 | 6.18E-05 | 8.34E-05 | 8.82E-05 | 1.15E-04 | 1.36E-04 | 1.36E-04 | 5.42E-06 | 3.22E-05 | 0.00E+00 | 5.06E-05 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Manganese Compounds | 2.53E-05 | 2.53E-05 | 2.58E-05 | 4.49E-05 | 6.22E-05 | 9.85E-05 | 1.34E-04 | 1.34E-04 | 3.39E-06 | 5.77E-05 | 6.41E-07 | 4.35E-07 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 6.68E-08 | 6.00E-07 | 4.27E-06 | 4.66E-06 | 1.50E-03 |
| Minnesota | Swift County | 27151 | U | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.54E-01 | 1.61E-01 | 1.69E-01 | 1.84E-01 | 1.84E-01 | 4.76E-07 | 1.14E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Swift County | 27151 | U | Nickel Compounds | 4.52E-06 | 4.52E-06 | 5.14E-06 | 7.05E-06 | 2.12E-05 | 3.72E-05 | 6.60E-05 | 6.60E-05 | 4.35E-07 | 1.85E-05 | 1.55E-06 | 6.99E-07 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.46E-01 | 1.46E-01 | 7.06E-08 | 1.96E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Swift County | 27151 | U | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.85E-04 | 3.86E-04 | 4.06E-04 | 4.26E-04 | 4.67E-04 | 4.67E-04 | 0.00E+00 | 2.56E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Swift County | 27151 | U | Polycyclic Organic Matter | 2.50E-03 | 2.50E-03 | 2.51E-03 | 2.91E-03 | 7.84E-03 | 1.32E-02 | 2.31E-02 | 2.31E-02 | 1.62E-07 | 6.90E-03 | 6.24E-04 | 3.23E-04 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | 7-PAH | 8.64E-05 | 8.64E-05 | 9.03E-05 | 1.08E-04 | 3.18E-04 | 5.46E-04 | 9.71E-04 | 9.71E-04 | 6.88E-10 | 3.08E-04 | 4.77E-06 | 5.69E-06 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Propylene Dichloride | 7.69E-08 | 7.69E-08 | 8.79E-08 | 1.44E-07 | 2.69E-07 | 4.50E-07 | 7.10E-07 | 7.10E-07 | 0.00E+00 | 2.69E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Quinoline | 1.97E-09 | 1.97E-09 | 2.23E-09 | 2.54E-09 | 4.04E-09 | 5.85E-09 | 9.10E-09 | 9.10E-09 | 0.00E+00 | 4.04E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | 1,1,2,2-Tetrachloroethane | 6.22E-06 | 6.22E-06 | 7.14E-06 | 8.56E-06 | 8.83E-06 | 1.05E-05 | 1.20E-05 | 1.20E-05 | 0.00E+00 | 8.83E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Swift County | 27151 | U | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.14E-02 | 8.22E-02 | 8.32E-02 | 8.48E-02 | 8.48E-02 | 0.00E+00 | 1.25E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Swift County | 27151 | U | Vinyl Chloride | 6.26E-05 | 6.26E-05 | 6.34E-05 | 8.38E-05 | 1.90E-04 | 3.18E-04 | 5.32E-04 | 5.32E-04 | 0.00E+00 | 1.90E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Acetaldehyde | 3.21E-02 | 3.21E-02 | 4.02E-02 | 5.04E-02 | 6.86E-02 | 8.86E-02 | 1.58E-01 | 1.58E-01 | 2.53E-07 | 9.85E-03 | 4.91E-02 | 9.65E-03 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Acrolein | 3.78E-03 | 3.78E-03 | 4.45E-03 | 5.42E-03 | 5.53E-03 | 6.55E-03 | 7.66E-03 | 7.66E-03 | 6.12E-08 | 1.45E-03 | 2.94E-03 | 1.14E-03 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Acrylonitrile | 1.69E-05 | 1.69E-05 | 2.11E-05 | 3.19E-05 | 3.58E-05 | 5.09E-05 | 6.17E-05 | 6.17E-05 | 7.04E-07 | 3.51E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Arsenic Compounds | 3.56E-06 | 3.56E-06 | 4.18E-06 | 5.44E-06 | 6.18E-06 | 7.83E-06 | 1.10E-05 | 1.10E-05 | 4.84E-08 | 7.72E-07 | 3.31E-06 | 2.05E-06 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Benzene | 5.21E-01 | 5.21E-01 | 5.27E-01 | 5.43E-01 | 5.47E-01 | 5.68E-01 | 5.79E-01 | 5.79E-01 | 2.34E-08 | 2.65E-02 | 2.77E-02 | 1.30E-02 | 4.80E-01 |
| Minnesota | Todd County | 27153 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Beryllium Compounds | 2.50E-07 | 2.50E-07 | 3.36E-07 | 3.91E-07 | 7.60E-07 | 5.75E-07 | 3.23E-06 | 3.23E-06 | 2.04E-10 | 2.18E-07 | 0.00E+00 | 5.42E-07 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | 1,3-Butadiene | 1.50E-03 | 1.50E-03 | 1.58E-03 | 2.01E-03 | 2.46E-03 | 2.79E-03 | 5.47E-03 | 5.47E-03 | 4.02E-09 | 3.13E-04 | 1.32E-03 | 8.31E-04 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Cadmium Compounds | 5.67E-07 | 5.67E-07 | 7.16E-07 | 8.78E-07 | 1.31E-06 | 1.31E-06 | 4.09E-06 | 4.09E-06 | 1.42E-08 | 7.54E-07 | 0.00E+00 | 5.40E-07 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 5.52E-08 | 5.31E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Todd County | 27153 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.58E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Todd County | 27153 | R | Chloroform | 8.36E-02 | 8.36E-02 | 8.37E-02 | 8.40E-02 | 8.41E-02 | 8.44E-02 | 8.47E-02 | 8.47E-02 | 0.00E+00 | 1.05E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Todd County | 27153 | R | Chromium Compounds (includes Hexavalent) | 3.49E-06 | 3.49E-06 | 4.91E-06 | 1.09E-05 | 1.33E-04 | 1.80E-04 | 6.65E-04 | 6.65E-04 | 1.24E-04 | 6.04E-06 | 2.10E-06 | 2.43E-07 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Chromium VI | 2.00E-06 | 2.00E-06 | 2.34E-06 | 4.34E-06 | 4.72E-05 | 6.74E-05 | 2.27E-04 | 2.27E-04 | 4.23E-05 | 4.00E-06 | 8.41E-07 | 8.26E-08 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | 1,4-Dichlorobenzene | 8.47E-04 | 8.47E-04 | 9.96E-04 | 1.17E-03 | 1.39E-03 | 1.65E-03 | 2.61E-03 | 2.61E-03 | 0.00E+00 | 1.39E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | 1,3-Dichloropropene | 3.31E-03 | 3.31E-03 | 3.87E-03 | 4.53E-03 | 5.43E-03 | 6.44E-03 | 1.05E-02 | 1.05E-02 | 0.00E+00 | 5.43E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 2.97E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Todd County | 27153 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.70E-08 | 7.57E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Todd County | 27153 | R | Ethylene Oxide | 1.79E-04 | 1.79E-04 | 2.10E-04 | 2.51E-04 | 3.02E-04 | 3.53E-04 | 6.13E-04 | 6.13E-04 | 0.00E+00 | 3.02E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Formaldehyde | 2.80E-01 | 2.80E-01 | 2.84E-01 | 2.91E-01 | 2.95E-01 | 3.02E-01 | 3.28E-01 | 3.28E-01 | 7.17E-04 | 5.77E-03 | 2.15E-02 | 1.72E-02 | 2.50E-01 |
| Minnesota | Todd County | 27153 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.34E-05 | 9.34E-05 | 0.00E+00 | 1.50E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Todd County | 27153 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 7.42E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Todd County | 27153 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 4.05E-05 | 6.20E-05 | 2.12E-04 | 2.90E-04 | 9.06E-04 | 9.06E-04 | 1.63E-04 | 4.87E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Hydrazine | 1.42E-11 | 1.42E-11 | 1.60E-11 | 3.00E-11 | 3.41E-11 | 4.96E-11 | 6.77E-11 | 6.77E-11 | 0.00E+00 | 3.41E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Lead Compounds | 1.56E-05 | 1.56E-05 | 3.94E-05 | 6.78E-05 | 7.56E-05 | 8.22E-05 | 2.10E-04 | 2.10E-04 | 3.20E-07 | 3.76E-05 | 0.00E+00 | 3.76E-05 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Manganese Compounds | 5.12E-06 | 5.12E-06 | 7.30E-06 | 2.01E-05 | 2.04E-05 | 3.34E-05 | 3.70E-05 | 3.70E-05 | 3.50E-09 | 1.96E-05 | 6.37E-07 | 2.18E-07 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 3.03E-09 | 7.42E-07 | 3.85E-06 | 2.36E-06 | 1.50E-03 |
| Minnesota | Todd County | 27153 | R | Methylene Chloride | 1.56E-01 | 1.56E-01 | 1.57E-01 | 1.58E-01 | 1.66E-01 | 1.70E-01 | 2.04E-01 | 2.04E-01 | 1.15E-07 | 1.65E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Todd County | 27153 | R | Nickel Compounds | 7.86E-06 | 7.86E-06 | 8.07E-06 | 1.14E-05 | 1.72E-05 | 1.94E-05 | 5.22E-05 | 5.22E-05 | 1.75E-08 | 1.53E-05 | 1.57E-06 | 3.88E-07 | 0.00E+00 |
| Minnesota | Todd County | 27153 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.42E-01 | 1.43E-01 | 1.43E-01 | 1.70E-08 | 1.81E-03</ | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | |
|-----------|-----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Todd County | 27153 | R | Vinyl Chloride | 2.33E-05 | 2.33E-05 | 4.87E-05 | 7.46E-05 | 7.24E-05 | 9.19E-05 | 1.25E-04 | 1.25E-04 | 0.00E+00 | 7.24E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Acetaldehyde | 6.32E-02 | 6.32E-02 | 6.32E-02 | 7.41E-02 | 7.41E-02 | 8.49E-02 | 8.49E-02 | 8.49E-02 | 2.15E-04 | 1.35E-02 | 1.47E-02 | 4.57E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Acrolein | 4.01E-03 | 4.01E-03 | 4.01E-03 | 4.15E-03 | 4.15E-03 | 4.29E-03 | 4.29E-03 | 4.29E-03 | 3.40E-06 | 7.29E-04 | 1.04E-03 | 2.38E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Acrylonitrile | 2.36E-06 | 2.36E-06 | 2.36E-06 | 2.86E-06 | 2.86E-06 | 3.35E-06 | 3.35E-06 | 3.35E-06 | 0.00E+00 | 2.86E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Arsenic Compounds | 5.86E-06 | 5.86E-06 | 5.86E-06 | 7.21E-06 | 7.21E-06 | 8.57E-06 | 8.57E-06 | 8.57E-06 | 1.56E-06 | 1.20E-07 | 1.26E-06 | 4.27E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Benzene | 5.21E-01 | 5.21E-01 | 5.21E-01 | 5.22E-01 | 5.22E-01 | 5.23E-01 | 5.23E-01 | 5.23E-01 | 7.57E-06 | 8.40E-03 | 1.04E-02 | 2.36E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Beryllium Compounds | 2.59E-07 | 2.59E-07 | 2.59E-07 | 2.66E-07 | 2.66E-07 | 2.72E-07 | 2.72E-07 | 2.72E-07 | 8.14E-08 | 6.77E-08 | 0.00E+00 | 1.17E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | 1,3-Butadiene | 2.49E-03 | 2.49E-03 | 2.49E-03 | 2.56E-03 | 2.56E-03 | 2.62E-03 | 2.62E-03 | 2.62E-03 | 0.00E+00 | 4.90E-05 | 5.45E-04 | 1.96E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Cadmium Compounds | 3.25E-07 | 3.25E-07 | 3.25E-07 | 4.34E-07 | 4.34E-07 | 5.44E-07 | 5.44E-07 | 5.44E-07 | 2.00E-07 | 1.18E-07 | 0.00E+00 | 1.16E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 5.72E-07 | 2.49E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Traverse County | 27155 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 4.93E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Traverse County | 27155 | R | Chloroform | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 8.32E-02 | 8.32E-02 | 8.32E-02 | 0.00E+00 | 1.37E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Traverse County | 27155 | R | Chromium Compounds (includes Hexavalent) | 1.29E-06 | 1.29E-06 | 1.29E-06 | 2.15E-06 | 2.15E-06 | 3.01E-06 | 3.01E-06 | 3.01E-06 | 1.01E-06 | 1.38E-07 | 7.43E-07 | 2.55E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Chromium VI | 5.44E-07 | 5.44E-07 | 5.44E-07 | 5.75E-07 | 5.75E-07 | 6.06E-07 | 6.06E-07 | 6.06E-07 | 1.11E-07 | 8.24E-08 | 2.94E-07 | 8.68E-08 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | 1,4-Dichlorobenzene | 3.70E-04 | 3.70E-04 | 3.70E-04 | 3.92E-04 | 3.92E-04 | 4.15E-04 | 4.15E-04 | 4.15E-04 | 0.00E+00 | 3.92E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | 1,3-Dichloropropene | 1.26E-03 | 1.26E-03 | 1.26E-03 | 1.38E-03 | 1.38E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 0.00E+00 | 1.38E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 3.50E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Traverse County | 27155 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 1.76E-07 | 2.65E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Traverse County | 27155 | R | Ethylene Oxide | 6.54E-05 | 6.54E-05 | 6.54E-05 | 7.40E-05 | 7.40E-05 | 8.26E-05 | 8.26E-05 | 8.26E-05 | 0.00E+00 | 7.40E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Formaldehyde | 3.40E-01 | 3.40E-01 | 3.40E-01 | 3.47E-01 | 3.47E-01 | 3.54E-01 | 3.54E-01 | 3.54E-01 | 9.66E-04 | 7.50E-03 | 7.31E-03 | 8.12E-02 | 2.50E-01 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 0.00E+00 | 1.02E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Traverse County | 27155 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 2.48E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Traverse County | 27155 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Hydrazine | 8.87E-11 | 8.87E-11 | 8.87E-11 | 1.00E-10 | 1.00E-10 | 1.12E-10 | 1.12E-10 | 1.12E-10 | 0.00E+00 | 1.00E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Lead Compounds | 9.26E-06 | 9.26E-06 | 9.26E-06 | 2.08E-05 | 2.08E-05 | 3.24E-05 | 3.24E-05 | 3.24E-05 | 1.64E-06 | 1.49E-06 | 0.00E+00 | 1.77E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Manganese Compounds | 1.12E-06 | 1.12E-06 | 1.12E-06 | 1.89E-06 | 1.89E-06 | 1.53E-05 | 1.53E-05 | 1.53E-05 | 7.15E-06 | 4.42E-07 | 2.26E-07 | 3.72E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 3.12E-10 | 1.33E-07 | 1.52E-06 | 3.73E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Methylene Chloride | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.52E-01 | 1.15E-06 | 1.95E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Nickel Compounds | 2.17E-06 | 2.17E-06 | 2.17E-06 | 3.08E-06 | 3.08E-06 | 4.00E-06 | 4.00E-06 | 4.00E-06 | 1.06E-06 | 8.87E-07 | 5.64E-07 | 5.69E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.70E-07 | 1.21E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Polychlorinated Biphenyls | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 3.84E-04 | 0.00E+00 | 3.87E-06 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Polycyclic Organic Matter | 1.68E-03 | 1.68E-03 | 1.68E-03 | 1.76E-03 | 1.76E-03 | 1.84E-03 | 1.84E-03 | 1.84E-03 | 7.86E-08 | 1.30E-03 | 2.35E-04 | 2.29E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | 7-PAH | 8.76E-05 | 8.76E-05 | 8.76E-05 | 9.37E-05 | 9.37E-05 | 9.99E-05 | 9.99E-05 | 9.99E-05 | 1.60E-09 | 8.33E-05 | 1.81E-06 | 8.58E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Propylene Dichloride | 6.47E-08 | 6.47E-08 | 6.47E-08 | 6.93E-08 | 6.93E-08 | 7.40E-08 | 7.40E-08 | 7.40E-08 | 0.00E+00 | 6.93E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Quinoline | 2.71E-09 | 2.71E-09 | 2.71E-09 | 2.85E-09 | 2.85E-09 | 2.99E-09 | 2.99E-09 | 2.99E-09 | 0.00E+00 | 2.85E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | 1,1,2,2-Tetrachloroethane | 2.42E-07 | 2.42E-07 | 2.42E-07 | 4.38E-07 | 4.38E-07 | 6.34E-07 | 6.34E-07 | 6.34E-07 | 0.00E+00 | 4.38E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Traverse County | 27155 | R | Trichloroethylene | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.11E-02 | 8.12E-02 | 8.12E-02 | 8.12E-02 | 0.00E+00 | 1.43E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Traverse County | 27155 | R | Vinyl Chloride | 9.20E-07 | 9.20E-07 | 9.20E-07 | 1.19E-06 | 1.19E-06 | 1.46E-06 | 1.46E-06 | 1.46E-06 | 0.00E+00 | 1.19E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Acetaldehyde | 7.10E-02 | 7.10E-02 | 8.28E-02 | 1.11E-01 | 1.21E-01 | 1.62E-01 | 1.91E-01 | 1.91E-01 | 5.61E-06 | 3.77E-02 | 6.45E-02 | 1.91E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Acrolein | 5.37E-03 | 5.37E-03 | 5.52E-03 | 6.70E-03 | 7.11E-03 | 8.37E-03 | 9.97E-03 | 9.97E-03 | 1.20E-06 | 1.46E-03 | 3.78E-03 | 1.86E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Acrylonitrile | 2.68E-05 | 2.68E-05 | 3.54E-05 | 4.70E-05 | 4.67E-05 | 5.80E-05 | 6.59E-05 | 6.59E-05 | 0.00E+00 | 4.67E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Arsenic Compounds | 1.96E-05 | 1.96E-05 | 2.61E-05 | 4.39E-05 | 5.23E-05 | 4.76E-05 | 1.33E-04 | 1.33E-04 | 4.15E-05 | 1.10E-06 | 5.86E-06 | 3.80E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Benzene | 5.37E-01 | 5.37E-01 | 5.38E-01 | 5.69E-01 | 5.83E-01 | 6.36E-01 | 6.50E-01 | 6.50E-01 | 6.61E-06 | 3.64E-02 | 4.60E-02 | 2.11E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Beryllium Compounds | 8.15E-07 | 8.15E-07 | 9.40E-07 | 1.14E-06 | 1.65E-06 | 2.70E-06 | 3.14E-06 | 3.14E-06 | 4.27E-07 | 3.43E-07 | 0.00E+00 | 8.75E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | 1,3-Butadiene | 2.16E-03 | 2.16E-03 | 2.36E-03 | 5.07E-03 | 5.30E-03 | 8.43E-03 | 8.69E-03 | 8.69E-03 | 1.62E-10 | 3.71E-04 | 3.28E-03 | 1.64E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Cadmium Compounds | 3.76E-06 | 3.76E-06 | 6.03E-06 | 8.48E-06 | 9.28E-06 | 1.23E-05 | 1.67E-05 | 1.67E-05 | 6.95E-06 | 1.31E-06 | 0.00E+00 | 1.02E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.73E-02 | 4.74E-02 | 6.29E-07 | 1.64E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 5.45E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Chloroform | 8.39E-02 | 8.39E-02 | 8.44E-02 | 8.51E-02 | 8.51E-02 | 8.58E-02 | 8.65E-02 | 8.65E-02 | 1.30E-07 | 2.13E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Chromium Compounds (includes Hexavalent) | 3.22E-05 | 3.22E-05 | 3.44E-05 | 7.46E-05 | 9.53E-05 | 8.45E-05 | 2.72E-04 | 2.72E-04 | 8.80E-05 | 2.84E-06 | 3.54E-06 | 9.08E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Chromium VI | 3.19E-06 | 3.19E-06 | 5.61E-06 | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|----------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Wabasha County | 27157 | R | Hydrazine | 1.54E-10 | 1.54E-10 | 2.56E-10 | 1.59E-09 | 2.91E-09 | 4.75E-09 | 9.11E-09 | 9.11E-09 | 0.00E+00 | 2.91E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Lead Compounds | 9.92E-05 | 9.92E-05 | 1.23E-04 | 1.48E-04 | 3.66E-04 | 2.68E-04 | 1.41E-03 | 1.41E-03 | 7.78E-05 | 2.57E-04 | 0.00E+00 | 0.00E+00 | 3.13E-05 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Manganese Compounds | 1.99E-05 | 1.99E-05 | 2.12E-05 | 2.98E-05 | 2.92E-05 | 3.51E-05 | 3.94E-05 | 1.18E-05 | 1.46E-05 | 1.08E-06 | 1.71E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.54E-03 | 1.54E-03 | 1.55E-03 | 1.58E-03 | 1.58E-03 | 2.81E-05 | 2.53E-06 | 6.92E-06 | 4.38E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Methylene Chloride | 1.58E-01 | 1.58E-01 | 1.59E-01 | 1.70E-01 | 1.69E-01 | 1.77E-01 | 1.83E-01 | 1.83E-01 | 3.75E-03 | 1.55E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Nickel Compounds | 5.96E-05 | 5.96E-05 | 8.84E-05 | 1.06E-04 | 1.48E-04 | 2.34E-04 | 2.94E-04 | 7.36E-05 | 4.62E-05 | 2.65E-06 | 2.55E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Perchloroethylene | 1.42E-01 | 1.42E-01 | 1.42E-01 | 1.44E-01 | 1.44E-01 | 1.46E-01 | 1.46E-01 | 1.46E-01 | 2.00E-07 | 4.11E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.86E-04 | 3.99E-04 | 4.06E-04 | 4.17E-04 | 4.50E-04 | 4.50E-04 | 0.00E+00 | 2.61E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Polycyclic Organic Matter | 6.20E-03 | 6.20E-03 | 7.01E-03 | 9.28E-03 | 1.18E-02 | 1.76E-02 | 2.11E-02 | 2.11E-02 | 1.10E-06 | 1.02E-02 | 1.10E-03 | 4.44E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | 7-PAH | 2.70E-04 | 2.70E-04 | 2.98E-04 | 3.74E-04 | 5.38E-04 | 7.60E-04 | 1.15E-03 | 1.15E-03 | 4.31E-09 | 5.19E-04 | 8.62E-06 | 1.03E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Propylene Dichloride | 1.71E-07 | 1.71E-07 | 2.24E-07 | 3.62E-07 | 4.84E-07 | 7.22E-07 | 1.07E-06 | 1.07E-06 | 0.00E+00 | 4.84E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Quinoline | 1.66E-09 | 1.66E-09 | 2.22E-09 | 1.05E-08 | 1.08E-08 | 1.33E-08 | 2.66E-08 | 2.66E-08 | 0.00E+00 | 1.08E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | 1,1,2,2-Tetrachloroethane | 7.88E-06 | 7.88E-06 | 8.55E-06 | 1.15E-05 | 1.18E-05 | 1.53E-05 | 1.62E-05 | 1.62E-05 | 0.00E+00 | 1.18E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Trichloroethylene | 8.15E-02 | 8.15E-02 | 8.17E-02 | 8.23E-02 | 8.36E-02 | 8.35E-02 | 9.02E-02 | 9.02E-02 | 7.99E-04 | 1.79E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Wabasha County | 27157 | R | Vinyl Chloride | 9.59E-05 | 9.59E-05 | 1.62E-04 | 2.43E-04 | 3.35E-04 | 4.85E-04 | 7.81E-04 | 7.81E-04 | 0.00E+00 | 3.35E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Acetaldehyde | 3.13E-02 | 3.13E-02 | 3.13E-02 | 3.62E-02 | 5.38E-02 | 9.39E-02 | 9.39E-02 | 9.39E-02 | 0.00E+00 | 1.07E-02 | 3.28E-02 | 1.03E-02 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Acrolein | 5.04E-03 | 5.04E-03 | 5.04E-03 | 5.84E-03 | 6.16E-03 | 7.60E-03 | 7.60E-03 | 7.60E-03 | 0.00E+00 | 2.88E-03 | 1.79E-03 | 1.48E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Acrylonitrile | 1.84E-05 | 1.84E-05 | 1.84E-05 | 3.98E-05 | 6.47E-05 | 1.36E-04 | 1.36E-04 | 1.36E-04 | 0.00E+00 | 6.47E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Arsenic Compounds | 3.42E-06 | 3.42E-06 | 3.42E-06 | 3.43E-06 | 5.62E-06 | 1.00E-05 | 1.00E-05 | 1.00E-05 | 7.65E-09 | 6.55E-07 | 3.08E-06 | 1.87E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Benzene | 5.24E-01 | 5.24E-01 | 5.24E-01 | 5.25E-01 | 5.43E-01 | 5.81E-01 | 5.81E-01 | 5.81E-01 | 1.27E-09 | 2.47E-02 | 2.38E-02 | 1.48E-02 | 4.80E-01 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Beryllium Compounds | 2.40E-07 | 2.40E-07 | 2.40E-07 | 8.17E-07 | 1.31E-06 | 2.87E-06 | 2.87E-06 | 2.87E-06 | 7.90E-12 | 2.69E-07 | 0.00E+00 | 1.04E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | 1,3-Butadiene | 2.34E-03 | 2.34E-03 | 2.34E-03 | 2.78E-03 | 4.04E-03 | 7.02E-03 | 7.02E-03 | 7.02E-03 | 0.00E+00 | 6.80E-04 | 1.94E-03 | 1.27E-03 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Cadmium Compounds | 7.02E-07 | 7.02E-07 | 7.02E-07 | 1.22E-06 | 2.11E-06 | 4.42E-06 | 4.42E-06 | 4.42E-06 | 3.52E-07 | 7.24E-07 | 0.00E+00 | 1.04E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.72E-02 | 0.00E+00 | 9.54E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.99E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Chloroform | 8.36E-02 | 8.36E-02 | 8.36E-02 | 8.37E-02 | 8.43E-02 | 8.55E-02 | 8.55E-02 | 8.55E-02 | 0.00E+00 | 1.26E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Chromium Compounds (includes Hexavalent) | 2.41E-04 | 2.41E-04 | 2.41E-04 | 9.82E-04 | 9.49E-04 | 1.62E-03 | 1.62E-03 | 1.62E-03 | 9.45E-04 | 1.30E-06 | 1.79E-06 | 3.85E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Chromium VI | 8.21E-05 | 8.21E-05 | 8.21E-05 | 3.34E-04 | 3.23E-04 | 5.53E-04 | 5.53E-04 | 5.53E-04 | 3.21E-04 | 7.92E-07 | 7.12E-07 | 1.31E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | 1,4-Dichlorobenzene | 7.94E-04 | 7.94E-04 | 7.94E-04 | 8.98E-04 | 1.61E-03 | 3.15E-03 | 3.15E-03 | 3.15E-03 | 0.00E+00 | 1.61E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | 1,3-Dichloropropene | 3.10E-03 | 3.10E-03 | 3.10E-03 | 3.50E-03 | 6.44E-03 | 1.27E-02 | 1.27E-02 | 1.27E-02 | 0.00E+00 | 6.44E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 7.45E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 0.00E+00 | 9.99E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Ethylene Oxide | 1.79E-04 | 1.79E-04 | 1.79E-04 | 2.64E-04 | 3.99E-04 | 7.55E-04 | 7.55E-04 | 7.55E-04 | 0.00E+00 | 3.99E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Formaldehyde | 2.89E-01 | 2.89E-01 | 2.89E-01 | 2.92E-01 | 3.01E-01 | 3.23E-01 | 3.23E-01 | 3.23E-01 | 1.26E-03 | 1.19E-02 | 1.66E-02 | 2.16E-02 | 2.50E-01 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.33E-05 | 9.33E-05 | 9.33E-05 | 0.00E+00 | 1.50E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 9.43E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Hexamethylene Diisocyanate | 3.41E-04 | 3.41E-04 | 3.41E-04 | 1.38E-03 | 1.29E-03 | 2.17E-03 | 2.17E-03 | 2.17E-03 | 1.22E-03 | 7.17E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Hydrazine | 2.15E-11 | 2.15E-11 | 2.15E-11 | 1.12E-10 | 2.61E-09 | 7.69E-09 | 7.69E-09 | 7.69E-09 | 0.00E+00 | 2.61E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Lead Compounds | 3.31E-05 | 3.31E-05 | 3.31E-05 | 3.84E-05 | 3.85E-05 | 4.42E-05 | 4.42E-05 | 4.42E-05 | 1.65E-06 | 7.78E-06 | 0.00E+00 | 2.91E-05 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Manganese Compounds | 7.86E-06 | 7.86E-06 | 7.86E-06 | 1.16E-05 | 1.66E-05 | 3.04E-05 | 3.04E-05 | 3.04E-05 | 1.21E-06 | 1.46E-05 | 5.84E-07 | 2.50E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Mercury Compounds | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.50E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.80E-06 | 9.13E-07 | 3.66E-06 | 2.70E-06 | 1.50E-03 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Methylene Chloride | 1.54E-01 | 1.54E-01 | 1.54E-01 | 1.56E-01 | 1.60E-01 | 1.69E-01 | 1.69E-01 | 1.69E-01 | 0.00E+00 | 9.89E-03 | 0.00E+00 | 0.00E+00 | 1.50E-01 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Nickel Compounds | 7.19E-06 | 7.19E-06 | 7.19E-06 | 8.67E-06 | 1.59E-05 | 3.18E-05 | 3.18E-05 | 3.18E-05 | 2.79E-09 | 1.40E-05 | 1.34E-06 | 5.09E-07 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.43E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 0.00E+00 | 3.25E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.86E-04 | 3.87E-04 | 3.94E-04 | 4.09E-04 | 4.09E-04 | 4.09E-04 | 0.00E+00 | 1.40E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Polycyclic Organic Matter | 3.62E-03 | 3.62E-03 | 3.62E-03 | 3.86E-03 | 5.49E-03 | 8.98E-03 | 8.98E-03 | 8.98E-03 | 7.74E-10 | 4.65E-03 | 5.38E-04 | 3.04E-04 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | 7-PAH | 2.35E-04 | 2.35E-04 | 2.35E-04 | 2.63E-04 | 2.96E-04 | 3.90E-04 | 3.90E-04 | 3.90E-04 | 6.42E-12 | 2.86E-04 | 4.11E-06 | 6.09E-06 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Propylene Dichloride | 6.42E-08 | 6.42E-08 | 6.42E-08 | 7.24E-08 | 2.33E-07 | 5.64E-07 | 5.64E-07 | 5.64E-07 | 0.00E+00 | 2.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Quinoline | 5.84E-10 | 5.84E-10 | 5.84E-10 | 9.53E-10 | 8.67E-09 | 2.45E-08 | 2.45E-08 | 2.45E-08 | 0.00E+00 | 8.67E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | 1,1,2,2-Tetrachloroethane | 5.18E-06 | 5.18E-06 | 5.18E-06 | 1.22E-05 | 1.89E-05 | 3.95E-05 | 3.95E-05 | 3.95E-05 | 0.00E+00 | 1.89E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.14E-02 | 8.19E-02 | 8.31E-02 | 8.31E-02 | 8.31E-02 | 0.00E+00 | 9.38E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 | 0.00E+00 |
| Minnesota | Wadena County | 27159 | R | Vinyl Chloride | 2.84E-05 | 2.84E-05 | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| | | | | | | | | | | | | | | | | | | | |
| Minnesota | Waseca County | 27161 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 2.07E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Waseca County | 27161 | R | Chloroform | 8.46E-02 | 8.46E-02 | 8.69E-02 | 9.44E-02 | 9.34E-02 | 9.52E-02 | 1.06E-01 | 1.06E-01 | 0.00E+00 | 1.04E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Waseca County | 27161 | R | Chromium Compounds (includes Hexavalent) | 8.78E-06 | 8.78E-06 | 1.09E-05 | 2.11E-05 | 1.94E-05 | 2.23E-05 | 3.40E-05 | 3.40E-05 | 3.07E-06 | 6.27E-06 | 9.61E-06 | 4.68E-07 | 0.00E+00 | 0.00E+00 | 8.00E-02 |
| Minnesota | Waseca County | 27161 | R | Chromium VI | 2.87E-06 | 2.87E-06 | 3.45E-06 | 8.53E-06 | 7.52E-06 | 8.98E-06 | 1.38E-05 | 1.38E-05 | 6.99E-07 | 2.83E-06 | 3.84E-06 | 1.59E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | 1,4-Dichlorobenzene | 1.35E-03 | 1.35E-03 | 2.79E-03 | 1.01E-02 | 9.51E-03 | 1.09E-02 | 2.24E-02 | 2.24E-02 | 0.00E+00 | 9.51E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | 1,3-Dichloropropene | 5.16E-03 | 5.16E-03 | 1.08E-02 | 4.08E-02 | 3.83E-02 | 4.37E-02 | 9.10E-02 | 9.10E-02 | 0.00E+00 | 3.83E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 3.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Waseca County | 27161 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 6.12E-02 | 1.52E-08 | 1.04E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Waseca County | 27161 | R | Ethylene Oxide | 2.87E-04 | 2.87E-04 | 6.23E-04 | 2.29E-03 | 2.09E-03 | 2.44E-03 | 4.82E-03 | 4.82E-03 | 0.00E+00 | 2.09E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Formaldehyde | 3.13E-01 | 3.13E-01 | 3.36E-01 | 4.01E-01 | 4.01E-01 | 4.51E-01 | 5.03E-01 | 5.03E-01 | 3.22E-03 | 6.86E-03 | 8.57E-02 | 5.53E-02 | 0.00E+00 | 0.00E+00 | 2.50E-01 |
| Minnesota | Waseca County | 27161 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.37E-05 | 9.36E-05 | 9.37E-05 | 9.44E-05 | 9.44E-05 | 0.00E+00 | 6.21E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 |
| Minnesota | Waseca County | 27161 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 7.84E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 |
| Minnesota | Waseca County | 27161 | R | Hexamethylene Diisocyanate | 2.36E-07 | 2.36E-07 | 2.44E-07 | 3.69E-07 | 3.33E-07 | 3.94E-07 | 4.23E-07 | 4.23E-07 | 0.00E+00 | 3.33E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Hydrazine | 2.66E-10 | 2.66E-10 | 1.23E-09 | 2.07E-08 | 1.30E-08 | 2.07E-08 | 2.20E-08 | 2.20E-08 | 0.00E+00 | 1.30E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Lead Compounds | 9.32E-04 | 9.32E-04 | 1.91E-03 | 2.23E-03 | 2.14E-03 | 2.27E-03 | 3.36E-03 | 3.36E-03 | 1.81E-03 | 1.91E-04 | 0.00E+00 | 1.44E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Manganese Compounds | 2.56E-05 | 2.56E-05 | 3.46E-05 | 5.11E-05 | 4.56E-05 | 5.33E-05 | 6.34E-05 | 6.34E-05 | 1.31E-06 | 4.04E-05 | 3.19E-06 | 7.46E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.54E-03 | 1.53E-03 | 1.54E-03 | 1.56E-03 | 1.56E-03 | 1.56E-03 | 1.91E-06 | 4.91E-06 | 1.77E-05 | 7.32E-06 | 0.00E+00 | 1.50E-03 |
| Minnesota | Waseca County | 27161 | R | Methylene Chloride | 1.59E-01 | 1.59E-01 | 1.68E-01 | 2.24E-01 | 2.12E-01 | 2.28E-01 | 2.83E-01 | 2.83E-01 | 4.50E-06 | 6.24E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 |
| Minnesota | Waseca County | 27161 | R | Nickel Compounds | 2.28E-05 | 2.28E-05 | 6.61E-05 | 2.69E-04 | 1.93E-04 | 2.74E-04 | 3.35E-04 | 3.35E-04 | 1.38E-06 | 1.84E-04 | 7.19E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Perchloroethylene | 1.42E-01 | 1.42E-01 | 1.43E-01 | 1.53E-01 | 1.51E-01 | 1.53E-01 | 1.63E-01 | 1.63E-01 | 1.47E-08 | 1.08E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.40E-01 |
| Minnesota | Waseca County | 27161 | R | Polychlorinated Biphenyls | 3.87E-04 | 3.87E-04 | 3.97E-04 | 4.47E-04 | 4.45E-04 | 4.52E-04 | 5.38E-04 | 5.38E-04 | 0.00E+00 | 6.45E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 |
| Minnesota | Waseca County | 27161 | R | Polycyclic Organic Matter | 4.78E-03 | 4.78E-03 | 8.83E-03 | 2.28E-02 | 2.06E-02 | 2.41E-02 | 4.26E-02 | 4.26E-02 | 3.16E-06 | 1.70E-02 | 2.93E-06 | 6.40E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | 7-PAH | 1.67E-04 | 1.67E-04 | 3.09E-04 | 5.55E-04 | 5.22E-04 | 5.82E-04 | 9.98E-04 | 9.98E-04 | 3.24E-09 | 4.93E-04 | 2.07E-05 | 8.23E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Propylene Dichloride | 2.17E-07 | 2.17E-07 | 3.35E-07 | 2.25E-06 | 1.66E-06 | 2.31E-06 | 3.20E-06 | 3.20E-06 | 0.00E+00 | 1.66E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Quinoline | 6.24E-09 | 6.24E-09 | 6.81E-09 | 6.19E-08 | 4.04E-08 | 6.20E-08 | 6.53E-08 | 6.53E-08 | 0.00E+00 | 4.04E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | 1,1,2,2-Tetrachloroethane | 1.04E-05 | 1.04E-05 | 2.70E-05 | 4.51E-05 | 3.50E-05 | 4.58E-05 | 4.68E-05 | 4.68E-05 | 0.00E+00 | 3.50E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Waseca County | 27161 | R | Trichloroethylene | 8.27E-02 | 8.27E-02 | 8.41E-02 | 9.36E-02 | 9.09E-02 | 9.40E-02 | 1.00E-01 | 1.00E-01 | 1.51E-03 | 8.41E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Waseca County | 27161 | R | Vinyl Chloride | 1.88E-04 | 1.88E-04 | 3.14E-04 | 1.65E-03 | 1.27E-03 | 1.71E-03 | 2.48E-03 | 2.48E-03 | 0.00E+00 | 1.27E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Acetaldehyde | 3.37E-01 | 6.16E-01 | 9.32E-01 | 1.52E+00 | 1.48E+00 | 1.79E+00 | 2.45E+00 | 2.78E+00 | 2.62E-02 | 8.62E-01 | 5.19E-01 | 7.71E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Acrolein | 4.12E-02 | 4.74E-02 | 5.63E-02 | 6.77E-02 | 6.79E-02 | 8.09E-02 | 9.16E-02 | 9.64E-02 | 1.75E-03 | 5.98E-03 | 4.80E-02 | 1.22E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Acrylonitrile | 1.30E-04 | 1.49E-04 | 2.07E-04 | 2.69E-04 | 2.74E-04 | 3.34E-04 | 3.92E-04 | 4.72E-04 | 6.46E-06 | 2.68E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Arsenic Compounds | 6.00E-05 | 6.90E-05 | 9.25E-05 | 1.24E-04 | 1.26E-04 | 1.52E-04 | 1.86E-04 | 1.91E-04 | 3.66E-05 | 2.78E-05 | 4.72E-05 | 1.48E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Benzene | 9.33E-01 | 1.04E+00 | 1.12E+00 | 1.25E+00 | 1.33E+00 | 1.52E+00 | 1.71E+00 | 1.89E+00 | 2.66E-02 | 1.79E-01 | 5.67E-01 | 8.20E-02 | 4.80E-01 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Beryllium Compounds | 3.19E-06 | 3.71E-06 | 4.86E-06 | 6.21E-06 | 7.01E-06 | 7.57E-06 | 1.24E-05 | 1.45E-05 | 1.25E-06 | 4.38E-06 | 0.00E+00 | 1.38E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | 1,3-Butadiene | 1.12E-02 | 1.49E-02 | 2.04E-02 | 2.75E-02 | 3.36E-02 | 4.54E-02 | 6.52E-02 | 7.27E-02 | 5.65E-04 | 2.70E-04 | 2.66E-02 | 6.24E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Cadmium Compounds | 1.35E-05 | 1.83E-05 | 2.57E-05 | 3.82E-05 | 4.82E-05 | 5.20E-05 | 1.19E-04 | 1.41E-04 | 3.38E-05 | 1.25E-05 | 0.00E+00 | 1.83E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Carbon Disulfide | 4.84E-02 | 4.89E-02 | 4.94E-02 | 5.04E-02 | 5.12E-02 | 5.21E-02 | 5.57E-02 | 5.66E-02 | 1.19E-03 | 3.02E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 |
| Minnesota | Washington County | 27163 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 8.81E-01 | 2.33E-07 | 3.97E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 |
| Minnesota | Washington County | 27163 | U | Chloroform | 1.02E-01 | 1.09E-01 | 1.19E-01 | 1.31E-01 | 1.33E-01 | 1.51E-01 | 1.58E-01 | 1.64E-01 | 3.03E-04 | 4.93E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 |
| Minnesota | Washington County | 27163 | U | Chromium Compounds (includes Hexavalent) | 2.66E-04 | 3.65E-04 | 5.29E-04 | 6.93E-04 | 6.94E-04 | 8.88E-04 | 1.00E-03 | 1.11E-03 | 1.14E-04 | 5.38E-04 | 3.89E-05 | 3.37E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Chromium VI | 7.96E-05 | 1.02E-04 | 1.45E-04 | 2.11E-04 | 2.23E-04 | 2.90E-04 | 3.69E-04 | 4.02E-04 | 3.65E-05 | 1.70E-04 | 1.55E-05 | 1.14E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | 1,4-Dichlorobenzene | 1.39E-02 | 1.66E-02 | 2.36E-02 | 3.08E-02 | 3.13E-02 | 4.20E-02 | 4.68E-02 | 5.00E-02 | 0.00E+00 | 3.13E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | 1,3-Dichloropropene | 4.81E-02 | 6.11E-02 | 8.85E-02 | 1.18E-01 | 1.20E-01 | 1.64E-01 | 1.83E-01 | 1.96E-01 | 0.00E+00 | 1.20E-01 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.58E-07 | 9.06E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 |
| Minnesota | Washington County | 27163 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.12E-02 | 6.12E-02 | 1.21E-05 | 8.40E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 |
| Minnesota | Washington County | 27163 | U | Ethylene Oxide | 3.27E-03 | 3.88E-03 | 5.44E-03 | 6.92E-03 | 7.12E-03 | 9.61E-03 | 1.03E-02 | 1.11E-02 | 0.00E+00 | 7.12E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Washington County | 27163 | U | Formaldehyde | 4.88E-01 | 5.86E-01 | 6.86E-01 | 7.82E-01 | 8.40E-01 | 9.46E-01 | 1.13E+00 | 1.31E+00 | 5.75E-02 | 2.97E-02 | 3.55E-01 | 1.48E-01 | 2.50E-01 | 0.00E+00 | 0.00E+00 |
| | | | | | | | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | Contribution to Average from ... | | | | | | | | |
|-----------|-------------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------------------------------|----------|----------|----------------|---------------|----------------|----------------------|----------|----------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | | |
| Minnesota | Washington County | 27163 | U | Quinoline | 1.94E-07 | 2.26E-07 | 2.91E-07 | 4.07E-07 | 6.54E-07 | 7.38E-07 | 1.75E-06 | 2.03E-06 | 0.00E+00 | 6.54E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Washington County | 27163 | U | 1,1,2,2-Tetrachloroethane | 4.07E-05 | 4.31E-05 | 5.31E-05 | 6.90E-05 | 1.58E-04 | 8.84E-05 | 3.44E-04 | 6.91E-04 | 1.23E-04 | 3.46E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Washington County | 27163 | U | Trichloroethylene | 9.58E-02 | 1.03E-01 | 1.14E-01 | 1.25E-01 | 1.24E-01 | 1.34E-01 | 1.40E-01 | 1.45E-01 | 2.03E-02 | 2.25E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Washington County | 27163 | U | Vinyl Chloride | 3.19E-04 | 3.58E-04 | 4.76E-04 | 6.29E-04 | 8.73E-04 | 1.00E-03 | 1.79E-03 | 2.33E-03 | 9.94E-05 | 7.74E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Acetaldehyde | 1.07E-01 | 1.07E-01 | 1.07E-01 | 1.56E-01 | 1.93E-01 | 3.16E-01 | 3.16E-01 | 3.16E-01 | 1.41E-04 | 1.24E-01 | 4.75E-02 | 2.10E-02 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Acrolein | 3.71E-03 | 3.71E-03 | 3.71E-03 | 4.39E-03 | 4.96E-03 | 6.79E-03 | 6.79E-03 | 6.79E-03 | 4.26E-06 | 5.19E-04 | 2.82E-03 | 1.62E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Acrylonitrile | 4.83E-05 | 4.83E-05 | 4.83E-05 | 6.10E-05 | 7.39E-05 | 1.13E-04 | 1.13E-04 | 1.13E-04 | 0.00E+00 | 7.39E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Arsenic Compounds | 6.83E-06 | 6.83E-06 | 6.83E-06 | 8.06E-06 | 1.09E-05 | 1.78E-05 | 1.78E-05 | 1.78E-05 | 1.80E-07 | 8.38E-07 | 4.80E-06 | 5.08E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Benzene | 5.25E-01 | 5.25E-01 | 5.25E-01 | 5.32E-01 | 5.60E-01 | 6.24E-01 | 6.24E-01 | 6.24E-01 | 5.57E-05 | 2.44E-02 | 3.78E-02 | 1.79E-02 | 4.80E-01 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Beryllium Compounds | 2.11E-07 | 2.11E-07 | 2.11E-07 | 2.70E-07 | 3.95E-07 | 7.02E-07 | 7.02E-07 | 7.02E-07 | 2.69E-09 | 3.01E-07 | 0.00E+00 | 9.12E-08 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | 1,3-Butadiene | 1.96E-03 | 1.96E-03 | 1.96E-03 | 2.24E-03 | 4.64E-03 | 9.72E-03 | 9.72E-03 | 9.72E-03 | 1.72E-11 | 2.35E-05 | 3.05E-03 | 1.57E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Cadmium Compounds | 4.81E-07 | 4.81E-07 | 4.81E-07 | 9.86E-07 | 9.86E-07 | 1.22E-06 | 1.22E-06 | 1.22E-06 | 1.50E-07 | 6.56E-07 | 0.00E+00 | 9.10E-08 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.72E-02 | 4.72E-02 | 5.19E-08 | 1.12E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Watwan County | 27165 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 5.10E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Watwan County | 27165 | R | Chloroform | 8.39E-02 | 8.39E-02 | 8.39E-02 | 8.46E-02 | 8.44E-02 | 8.48E-02 | 8.48E-02 | 8.48E-02 | 0.00E+00 | 1.42E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Watwan County | 27165 | R | Chromium Compounds (includes Hexavalent) | 3.58E-06 | 3.58E-06 | 3.58E-06 | 6.32E-06 | 1.03E-05 | 2.09E-05 | 2.09E-05 | 2.09E-05 | 4.62E-07 | 6.78E-06 | 2.81E-06 | 2.04E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Chromium VI | 1.73E-06 | 1.73E-06 | 1.73E-06 | 2.32E-06 | 6.62E-06 | 1.58E-05 | 1.58E-05 | 1.58E-05 | 1.13E-07 | 5.32E-06 | 1.12E-06 | 6.95E-08 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | 1,4-Dichlorobenzene | 8.94E-04 | 8.94E-04 | 8.94E-04 | 1.29E-03 | 2.76E-03 | 6.11E-03 | 6.11E-03 | 6.11E-03 | 0.00E+00 | 2.76E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | 1,3-Dichloropropene | 3.49E-03 | 3.49E-03 | 3.49E-03 | 4.98E-03 | 1.11E-02 | 2.48E-02 | 2.48E-02 | 2.48E-02 | 0.00E+00 | 1.11E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 0.00E+00 | 6.57E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Watwan County | 27165 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 2.62E-09 | 3.45E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Watwan County | 27165 | R | Ethylene Oxide | 1.99E-04 | 1.99E-04 | 1.99E-04 | 3.11E-04 | 6.23E-04 | 1.36E-03 | 1.36E-03 | 1.36E-03 | 0.00E+00 | 6.23E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Formaldehyde | 3.03E-01 | 3.03E-01 | 3.03E-01 | 3.10E-01 | 3.17E-01 | 3.36E-01 | 3.36E-01 | 3.36E-01 | 2.88E-04 | 1.71E-03 | 2.57E-02 | 3.89E-02 | 2.50E-01 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.35E-05 | 9.35E-05 | 9.35E-05 | 0.00E+00 | 2.56E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Watwan County | 27165 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 1.62E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Watwan County | 27165 | R | Hexamethylene Diisocyanate | 1.29E-06 | 1.29E-06 | 1.29E-06 | 1.43E-06 | 1.39E-06 | 1.45E-06 | 1.45E-06 | 1.45E-06 | 1.35E-06 | 4.33E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Hydrazine | 2.82E-11 | 2.82E-11 | 2.82E-11 | 2.95E-11 | 3.75E-11 | 5.47E-11 | 5.47E-11 | 5.47E-11 | 0.00E+00 | 3.75E-11 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Lead Compounds | 2.86E-05 | 2.86E-05 | 2.86E-05 | 5.59E-05 | 3.07E-04 | 8.35E-04 | 8.35E-04 | 8.35E-04 | 2.52E-04 | 2.81E-05 | 0.00E+00 | 2.62E-05 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Manganese Compounds | 2.18E-06 | 2.18E-06 | 2.18E-06 | 6.19E-06 | 5.52E-06 | 8.18E-06 | 8.18E-06 | 8.18E-06 | 3.76E-07 | 3.85E-06 | 8.74E-07 | 4.16E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.52E-03 | 2.59E-07 | 9.46E-07 | 5.71E-06 | 4.40E-06 | 1.50E-03 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Methylene Chloride | 1.55E-01 | 1.55E-01 | 1.55E-01 | 1.58E-01 | 1.65E-01 | 1.81E-01 | 1.81E-01 | 1.81E-01 | 3.85E-07 | 1.45E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Watwan County | 27165 | R | Nickel Compounds | 8.69E-06 | 8.69E-06 | 8.69E-06 | 1.92E-05 | 2.72E-05 | 5.37E-05 | 5.37E-05 | 5.37E-05 | 2.43E-07 | 2.42E-05 | 2.17E-06 | 6.22E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.42E-01 | 1.46E-01 | 1.43E-01 | 1.46E-01 | 1.46E-01 | 1.46E-01 | 5.43E-09 | 2.92E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | 0.00E+00 |
| Minnesota | Watwan County | 27165 | R | Polychlorinated Biphenyls | 3.85E-04 | 3.85E-04 | 3.85E-04 | 3.87E-04 | 4.02E-04 | 4.33E-04 | 4.33E-04 | 4.33E-04 | 0.00E+00 | 2.16E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Watwan County | 27165 | R | Polycyclic Organic Matter | 3.33E-03 | 3.33E-03 | 3.33E-03 | 4.17E-03 | 6.62E-03 | 1.23E-02 | 1.23E-02 | 1.23E-02 | 5.26E-07 | 4.47E-03 | 8.58E-04 | 2.92E-04 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | 7-PAH | 1.24E-04 | 1.24E-04 | 1.24E-04 | 1.44E-04 | 2.06E-04 | 3.52E-04 | 3.52E-04 | 3.52E-04 | 4.43E-10 | 1.95E-04 | 6.48E-06 | 4.91E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Propylene Dichloride | 8.93E-08 | 8.93E-08 | 8.93E-08 | 1.50E-07 | 2.77E-07 | 5.91E-07 | 5.91E-07 | 5.91E-07 | 0.00E+00 | 2.77E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Quinoline | 5.94E-10 | 5.94E-10 | 5.94E-10 | 6.58E-10 | 7.91E-10 | 1.12E-09 | 1.12E-09 | 1.12E-09 | 0.00E+00 | 7.91E-10 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | 1,1,2,2-Tetrachloroethane | 1.40E-05 | 1.40E-05 | 1.40E-05 | 1.86E-05 | 2.08E-05 | 2.98E-05 | 2.98E-05 | 2.98E-05 | 0.00E+00 | 2.08E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Watwan County | 27165 | R | Trichloroethylene | 8.18E-02 | 8.18E-02 | 8.18E-02 | 8.24E-02 | 8.30E-02 | 8.49E-02 | 8.49E-02 | 8.49E-02 | 4.23E-04 | 1.61E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Watwan County | 27165 | R | Vinyl Chloride | 1.39E-04 | 1.39E-04 | 1.39E-04 | 1.90E-04 | 4.15E-04 | 9.16E-04 | 9.16E-04 | 9.16E-04 | 0.00E+00 | 4.15E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Acetaldehyde | 8.04E-02 | 8.04E-02 | 8.04E-02 | 8.38E-02 | 8.38E-02 | 8.73E-02 | 8.73E-02 | 8.73E-02 | 1.33E-03 | 1.12E-02 | 3.25E-02 | 3.88E-02 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Acrolein | 4.77E-03 | 4.77E-03 | 4.77E-03 | 6.94E-03 | 6.94E-03 | 9.11E-03 | 9.11E-03 | 9.11E-03 | 1.03E-04 | 2.13E-03 | 2.60E-03 | 2.11E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Acrylonitrile | 1.27E-05 | 1.27E-05 | 1.27E-05 | 3.16E-05 | 3.16E-05 | 5.04E-05 | 5.04E-05 | 5.04E-05 | 0.00E+00 | 3.16E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Arsenic Compounds | 2.92E-05 | 2.92E-05 | 2.92E-05 | 4.59E-05 | 4.59E-05 | 6.26E-05 | 6.26E-05 | 6.26E-05 | 3.25E-05 | 2.63E-06 | 3.05E-06 | 7.76E-06 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Benzene | 5.19E-01 | 5.19E-01 | 5.19E-01 | 5.70E-01 | 5.70E-01 | 6.21E-01 | 6.21E-01 | 6.21E-01 | 1.59E-04 | 3.25E-02 | 3.26E-02 | 2.48E-02 | 4.80E-01 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Beryllium Compounds | 1.57E-06 | 1.57E-06 | 1.57E-06 | 3.30E-06 | 3.30E-06 | 5.03E-06 | 5.03E-06 | 5.03E-06 | 1.67E-06 | 6.94E-07 | 0.00E+00 | 9.32E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | 1,3-Butadiene | 2.05E-03 | 2.05E-03 | 2.05E-03 | 5.00E-03 | 5.00E-03 | 7.95E-03 | 7.95E-03 | 7.95E-03 | 0.00E+00 | 1.34E-04 | 2.22E-03 | 2.65E-03 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Cadmium Compounds | 5.29E-06 | 5.29E-06 | 5.29E-06 | 7.90E-06 | 7.90E-06 | 1.05E-05 | 1.05E-05 | 1.05E-05 | 5.77E-06 | 1.21E-06 | 0.00E+00 | 9.31E-07 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.73E-02 | 4.73E-02 | 4.75E-02 | 4.75E-02 | 4.75E-02 | 1.08E-05 | 2.59E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Wilkin County | 27167 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | | | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|---------------|-------|----------------|--|--|----------|----------|----------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Wilkin County | 27167 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.33E-05 | 9.33E-05 | 9.34E-05 | 9.34E-05 | 9.34E-05 | 0.00E+00 | 2.73E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Wilkin County | 27167 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 3.59E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Wilkin County | 27167 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Hydrazine | 1.94E-10 | 1.94E-10 | 1.94E-10 | 3.02E-09 | 3.02E-09 | 5.84E-09 | 5.84E-09 | 5.84E-09 | 0.00E+00 | 3.02E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Lead Compounds | 7.11E-05 | 7.11E-05 | 7.11E-05 | 2.47E-04 | 2.47E-04 | 4.22E-04 | 4.22E-04 | 4.22E-04 | 4.14E-05 | 3.54E-05 | 0.00E+00 | 1.70E-04 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Manganese Compounds | 1.79E-04 | 1.79E-04 | 1.79E-04 | 5.42E-04 | 5.42E-04 | 9.05E-04 | 9.05E-04 | 9.05E-04 | 3.90E-05 | 5.01E-04 | 6.64E-07 | 7.00E-07 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.54E-03 | 1.54E-03 | 1.54E-03 | 1.51E-05 | 2.82E-06 | 3.55E-06 | 7.51E-06 | 1.50E-03 | |
| Minnesota | Wilkin County | 27167 | U | Methylene Chloride | 1.53E-01 | 1.53E-01 | 1.53E-01 | 1.75E-01 | 1.75E-01 | 1.96E-01 | 1.96E-01 | 1.96E-01 | 2.39E-05 | 2.47E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Wilkin County | 27167 | U | Nickel Compounds | 1.67E-04 | 1.67E-04 | 1.67E-04 | 5.45E-04 | 5.45E-04 | 9.22E-04 | 9.22E-04 | 9.22E-04 | 2.34E-05 | 5.19E-04 | 1.59E-06 | 1.16E-06 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Perchloroethylene | 1.41E-01 | 1.41E-01 | 1.41E-01 | 1.44E-01 | 1.44E-01 | 1.47E-01 | 1.47E-01 | 1.47E-01 | 3.54E-06 | 3.68E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Wilkin County | 27167 | U | Polychlorinated Biphenyls | 3.83E-04 | 3.83E-04 | 3.83E-04 | 4.04E-04 | 4.04E-04 | 4.24E-04 | 4.24E-04 | 4.24E-04 | 0.00E+00 | 2.36E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Wilkin County | 27167 | U | Polycyclic Organic Matter | 2.21E-03 | 2.21E-03 | 2.21E-03 | 9.14E-03 | 9.14E-03 | 1.61E-02 | 1.61E-02 | 1.61E-02 | 1.58E-06 | 7.84E-03 | 6.86E-04 | 6.20E-04 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | 7-PAH | 1.06E-04 | 1.06E-04 | 1.06E-04 | 3.10E-04 | 3.10E-04 | 5.13E-04 | 5.13E-04 | 5.13E-04 | 3.23E-08 | 2.98E-04 | 4.32E-06 | 7.88E-06 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Propylene Dichloride | 2.10E-07 | 2.10E-07 | 2.10E-07 | 8.50E-07 | 8.50E-07 | 1.49E-06 | 1.49E-06 | 1.49E-06 | 0.00E+00 | 8.50E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Quinoline | 2.17E-09 | 2.17E-09 | 2.17E-09 | 1.18E-08 | 1.18E-08 | 2.14E-08 | 2.14E-08 | 2.14E-08 | 0.00E+00 | 1.18E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | 1,1,2,2-Tetrachloroethane | 3.62E-06 | 3.62E-06 | 3.62E-06 | 4.22E-06 | 4.22E-06 | 4.83E-06 | 4.83E-06 | 4.83E-06 | 0.00E+00 | 4.22E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wilkin County | 27167 | U | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.34E-02 | 8.34E-02 | 8.55E-02 | 8.55E-02 | 8.55E-02 | 0.00E+00 | 2.41E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Wilkin County | 27167 | U | Vinyl Chloride | 2.89E-05 | 2.89E-05 | 2.89E-05 | 2.99E-05 | 2.99E-05 | 3.10E-05 | 3.10E-05 | 3.10E-05 | 0.00E+00 | 2.99E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Acetaldehyde | 6.71E-02 | 7.58E-02 | 1.07E-01 | 2.10E-01 | 2.62E-01 | 2.70E-01 | 6.20E-01 | 7.68E-01 | 5.10E-06 | 1.65E-01 | 7.02E-02 | 2.63E-02 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Acrolein | 5.64E-03 | 5.84E-03 | 6.40E-03 | 8.66E-03 | 9.34E-03 | 1.16E-02 | 1.41E-02 | 1.42E-02 | 1.31E-06 | 3.25E-03 | 4.75E-03 | 1.84E-03 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Acrylonitrile | 3.27E-05 | 3.83E-05 | 5.46E-05 | 1.10E-04 | 1.27E-04 | 1.91E-04 | 2.49E-04 | 2.70E-04 | 0.00E+00 | 1.27E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Arsenic Compounds | 8.33E-06 | 1.06E-05 | 1.40E-05 | 1.91E-05 | 2.15E-05 | 2.63E-05 | 3.72E-05 | 3.74E-05 | 3.75E-06 | 4.88E-06 | 6.76E-06 | 6.11E-06 | 4.00E+00 | |
| Minnesota | Winona County | 27169 | U | Benzene | 5.37E-01 | 5.43E-01 | 5.66E-01 | 6.25E-01 | 6.32E-01 | 6.67E-01 | 7.51E-01 | 7.51E-01 | 8.43E-06 | 6.48E-02 | 5.95E-02 | 7.87E-02 | 8.00E-01 | |
| Minnesota | Winona County | 27169 | U | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Beryllium Compounds | 6.23E-07 | 6.37E-07 | 7.16E-07 | 1.74E-06 | 2.25E-06 | 2.88E-06 | 5.34E-06 | 5.73E-06 | 1.61E-07 | 1.30E-06 | 0.00E+00 | 7.94E-07 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | 1,3-Butadiene | 2.57E-03 | 3.11E-03 | 4.94E-03 | 7.15E-03 | 8.41E-03 | 1.19E-02 | 1.57E-02 | 1.67E-02 | 3.12E-12 | 7.40E-04 | 4.86E-03 | 2.81E-03 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Cadmium Compounds | 2.55E-06 | 2.66E-06 | 2.90E-06 | 4.45E-06 | 6.50E-06 | 1.13E-05 | 1.33E-05 | 1.47E-05 | 1.39E-06 | 4.17E-06 | 0.00E+00 | 9.43E-07 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Carbon Disulfide | 4.71E-02 | 4.71E-02 | 4.72E-02 | 4.76E-02 | 4.95E-02 | 5.26E-02 | 5.42E-02 | 5.55E-02 | 7.41E-07 | 2.54E-03 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Winona County | 27169 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.81E-01 | 8.81E-01 | 0.00E+00 | 1.88E-04 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Winona County | 27169 | U | Chloroform | 8.44E-02 | 8.45E-02 | 8.47E-02 | 9.11E-02 | 9.30E-02 | 9.80E-02 | 1.08E-01 | 1.16E-01 | 1.81E-08 | 9.96E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Winona County | 27169 | U | Chromium Compounds (includes Hexavalent) | 5.95E-06 | 8.33E-06 | 1.30E-05 | 4.29E-05 | 5.35E-05 | 6.20E-05 | 1.33E-04 | 1.88E-04 | 4.90E-06 | 4.32E-05 | 4.42E-06 | 1.00E-06 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Chromium VI | 1.36E-06 | 1.82E-06 | 3.19E-06 | 4.52E-06 | 6.69E-06 | 1.04E-05 | 1.41E-05 | 1.44E-05 | 4.82E-07 | 1.17E-06 | 1.76E-06 | 3.41E-07 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | 1,4-Dichlorobenzene | 1.23E-03 | 1.30E-03 | 1.71E-03 | 6.90E-03 | 8.27E-03 | 1.29E-02 | 2.06E-02 | 2.65E-02 | 0.00E+00 | 8.27E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | 1,3-Dichloropropene | 4.79E-03 | 5.09E-03 | 6.73E-03 | 2.80E-02 | 3.36E-02 | 5.25E-02 | 8.38E-02 | 1.08E-01 | 0.00E+00 | 3.36E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 3.69E-10 | 8.99E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Winona County | 27169 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 6.11E-02 | 6.13E-02 | 6.14E-02 | 2.28E-07 | 1.07E-04 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Winona County | 27169 | U | Ethylene Oxide | 2.65E-04 | 2.72E-04 | 3.67E-04 | 1.41E-03 | 1.86E-03 | 2.62E-03 | 4.97E-03 | 5.72E-03 | 0.00E+00 | 1.86E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Formaldehyde | 2.99E-01 | 3.00E-01 | 3.06E-01 | 3.43E-01 | 3.50E-01 | 3.69E-01 | 4.21E-01 | 4.27E-01 | 5.69E-03 | 1.07E-02 | 3.92E-02 | 4.44E-02 | 2.50E-01 | |
| Minnesota | Winona County | 27169 | U | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.34E-05 | 9.34E-05 | 9.36E-05 | 9.39E-05 | 9.40E-05 | 0.00E+00 | 3.93E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Winona County | 27169 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 5.98E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Winona County | 27169 | U | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Hydrazine | 1.49E-09 | 2.08E-09 | 4.51E-09 | 2.16E-08 | 2.53E-07 | 5.96E-07 | 7.41E-07 | 8.74E-07 | 0.00E+00 | 2.53E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Lead Compounds | 9.10E-05 | 9.39E-05 | 1.08E-04 | 6.24E-04 | 7.56E-04 | 1.05E-03 | 2.06E-03 | 2.06E-03 | 8.13E-06 | 5.45E-04 | 0.00E+00 | 2.04E-04 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Manganese Compounds | 3.54E-05 | 3.76E-05 | 5.70E-05 | 2.19E-04 | 1.72E-03 | 8.42E-04 | 7.60E-03 | 1.43E-02 | 1.28E-05 | 1.71E-03 | 1.43E-06 | 1.89E-06 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Mercury Compounds | 1.51E-03 | 1.51E-03 | 1.51E-03 | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.53E-03 | 1.53E-03 | 3.23E-06 | 2.93E-06 | 7.68E-06 | 6.13E-06 | 1.50E-03 | |
| Minnesota | Winona County | 27169 | U | Methylene Chloride | 1.58E-01 | 1.65E-01 | 1.79E-01 | 2.21E-01 | 2.27E-01 | 2.49E-01 | 3.24E-01 | 3.67E-01 | 2.47E-02 | 5.27E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Winona County | 27169 | U | Nickel Compounds | 2.15E-05 | 2.33E-05 | 5.06E-05 | 1.56E-04 | 1.91E-04 | 2.49E-04 | 4.79E-04 | 5.16E-04 | 5.13E-06 | 1.51E-04 | 3.35E-06 | 3.08E-05 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Perchloroethylene | 1.41E-01 | 1.42E-01 | 1.42E-01 | 1.48E-01 | 1.49E-01 | 1.53E-01 | 1.63E-01 | 1.68E-01 | 2.31E-07 | 9.35E-03 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Winona County | 27169 | U | Polychlorinated Biphenyls | 3.86E-04 | 3.86E-04 | 3.86E-04 | 4.21E-04 | 4.25E-04 | 4.56E-04 | 4.87E-04 | 4.98E-04 | 0.00E+00 | 4.50E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Winona County | 27169 | U | Polycyclic Organic Matter | 6.22E-03 | 6.80E-03 | 7.38E-03 | 1.93E-02 | 1.98E-02 | 2.78E-02 | 3.89E-02 | 4.64E-02 | 1.72E-07 | 1.77E-02 | 1.38E-03 | 6.81E-04 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | 7-PAH | 2.75E-04 | 2.81E-04 | 3.91E-04 | 7.04E-04 | 6.40E-04 | 8.10E-04 | 9.84E-04 | 9.85E-04 | 1.17E-08 | 6.20E-04 | 1.03E-05 | 1.01E-05 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Propylene Dichloride | 2.99E-07 | 3.14E-07 | 5.87E-07 | 1.61E-06 | 7.05E-06 | 1.54E-05 | 1.98E-05 | 2.33E-05 | 0.00E+00 | 7.05E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Quinoline | 1.41E-08 | 1.50E-08 | 3.76E-08 | 8.29E-08 | 6.78E-07 | 1.58E-06 | 1.94E-06 | 2.26E-06 | 0.00E+00 | 6.78E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | 1,1,2,2-Tetrachloroethane | 9.53E-06 | 1.16E-05 | 1.73E-05 | 2.49E-05 | 2.26E-05 | 2.79E-05 | 2.97E-05 | 2.99E-05 | 0.00E+00 | 2.26E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Winona County | 27169 | U | Trichloroethylene | 8.15E-02 | 8.15E-02 | 8.17E-02 | 8.63E-02 | 8.80E-02 | 8.88E-02 | 1.01E-01 | 1.05E-01 | 0.00E+00 | 6.96E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Winona County | 27169 | U | Vinyl Chloride | 1.04E-04 | 1.15E-04 | 1.27E-0 | | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | | Contribution to Average from ... | | | | |
|-----------|------------------------|-------|----------------|--|--|----------|----------|------------|----------|----------|----------|----------|----------|----------------------------------|---------------|----------------|----------------------|--|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background | |
| Minnesota | Wright County | 27171 | U | 1,3-Butadiene | 3.17E-03 | 3.72E-03 | 5.50E-03 | 9.21E-03 | 1.38E-02 | 1.41E-02 | 3.82E-02 | 4.43E-02 | 4.42E-09 | 3.10E-04 | 1.14E-02 | 2.11E-03 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Cadmium Compounds | 3.77E-06 | 4.28E-06 | 6.08E-06 | 1.06E-05 | 1.12E-05 | 1.75E-05 | 2.02E-05 | 2.20E-05 | 7.04E-06 | 3.04E-06 | 0.00E+00 | 1.12E-06 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Carbon Disulfide | 4.72E-02 | 4.72E-02 | 4.72E-02 | 4.74E-02 | 4.75E-02 | 4.77E-02 | 4.79E-02 | 4.79E-02 | 1.02E-05 | 4.50E-04 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Wright County | 27171 | U | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 1.03E-07 | 9.51E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Wright County | 27171 | U | Chloroform | 8.56E-02 | 8.68E-02 | 8.85E-02 | 9.79E-02 | 9.35E-02 | 9.63E-02 | 1.04E-01 | 1.06E-01 | 5.09E-06 | 1.05E-02 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Wright County | 27171 | U | Chromium Compounds (includes Hexavalent) | 1.26E-05 | 1.57E-05 | 8.91E-05 | 1.30E-04 | 1.83E-04 | 2.44E-04 | 4.13E-04 | 4.78E-04 | 2.05E-05 | 1.46E-04 | 1.56E-05 | 1.20E-06 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Chromium VI | 3.97E-06 | 5.11E-06 | 1.28E-05 | 1.91E-05 | 3.25E-05 | 3.71E-05 | 9.58E-05 | 1.29E-04 | 2.27E-06 | 2.36E-05 | 6.24E-06 | 4.09E-07 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | 1,4-Dichlorobenzene | 3.28E-03 | 3.68E-03 | 5.50E-03 | 1.02E-02 | 1.07E-02 | 1.58E-02 | 1.95E-02 | 2.23E-02 | 0.00E+00 | 1.07E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | 1,3-Dichloropropene | 1.28E-02 | 1.40E-02 | 2.10E-02 | 3.88E-02 | 4.15E-02 | 6.23E-02 | 7.76E-02 | 8.64E-02 | 0.00E+00 | 4.15E-02 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 9.15E-08 | 1.25E-07 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Wright County | 27171 | U | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.11E-02 | 6.11E-02 | 3.12E-06 | 3.03E-05 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Wright County | 27171 | U | Ethylene Oxide | 6.81E-04 | 7.86E-04 | 1.15E-03 | 2.46E-03 | 2.48E-03 | 3.71E-03 | 4.32E-03 | 5.33E-03 | 0.00E+00 | 2.48E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Formaldehyde | 3.11E-01 | 3.28E-01 | 3.73E-01 | 4.25E-01 | 4.68E-01 | 5.57E-01 | 6.33E-01 | 9.22E-01 | 1.73E-04 | 1.37E-02 | 1.59E-01 | 4.59E-02 | 2.50E-01 | |
| Minnesota | Wright County | 27171 | U | Hexachlorobenzene | 9.32E-05 | 9.32E-05 | 9.33E-05 | 9.34E-05 | 9.35E-05 | 9.37E-05 | 9.40E-05 | 9.44E-05 | 0.00E+00 | 5.44E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Wright County | 27171 | U | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 4.61E-08 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Wright County | 27171 | U | Hexamethylene Diisocyanate | 2.93E-05 | 2.97E-05 | 3.99E-05 | 4.78E-05 | 6.59E-05 | 8.83E-05 | 1.15E-04 | 1.73E-04 | 5.17E-07 | 6.54E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Hydrazine | 2.44E-10 | 4.57E-10 | 1.34E-09 | 3.96E-09 | 4.30E-09 | 6.43E-09 | 9.53E-09 | 1.10E-08 | 0.00E+00 | 4.30E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Lead Compounds | 7.40E-05 | 8.77E-05 | 3.62E-04 | 4.57E-04 | 4.57E-04 | 5.80E-04 | 6.55E-04 | 9.07E-04 | 9.09E-05 | 1.68E-04 | 0.00E+00 | 1.79E-04 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Manganese Compounds | 1.91E-05 | 2.34E-05 | 6.73E-05 | 1.03E-04 | 1.25E-04 | 1.75E-04 | 2.67E-04 | 3.12E-04 | 5.10E-05 | 6.69E-05 | 4.92E-06 | 1.90E-06 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Mercury Compounds | 1.52E-03 | 1.52E-03 | 1.53E-03 | 1.54E-03 | 1.55E-03 | 1.56E-03 | 1.60E-03 | 1.61E-03 | 8.12E-06 | 3.86E-06 | 2.72E-05 | 7.06E-06 | 1.50E-03 | |
| Minnesota | Wright County | 27171 | U | Methylene Chloride | 1.75E-01 | 1.82E-01 | 1.96E-01 | 2.16E-01 | 2.26E-01 | 2.66E-01 | 2.77E-01 | 2.88E-01 | 1.08E-03 | 7.48E-02 | 0.00E+00 | 0.00E+00 | 1.50E-01 | |
| Minnesota | Wright County | 27171 | U | Nickel Compounds | 3.01E-05 | 3.27E-05 | 1.65E-04 | 1.87E-04 | 2.28E-04 | 2.86E-04 | 4.35E-04 | 4.92E-04 | 6.68E-05 | 1.24E-04 | 1.17E-05 | 2.49E-05 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Perchloroethylene | 1.43E-01 | 1.44E-01 | 1.47E-01 | 1.54E-01 | 1.52E-01 | 1.56E-01 | 1.58E-01 | 1.62E-01 | 9.08E-05 | 1.16E-02 | 0.00E+00 | 0.00E+00 | 1.40E-01 | |
| Minnesota | Wright County | 27171 | U | Polychlorinated Biphenyls | 4.01E-04 | 4.03E-04 | 4.13E-04 | 4.23E-04 | 4.41E-04 | 4.65E-04 | 4.95E-04 | 5.47E-04 | 7.95E-09 | 6.09E-05 | 0.00E+00 | 0.00E+00 | 3.80E-04 | |
| Minnesota | Wright County | 27171 | U | Polycyclic Organic Matter | 1.05E-02 | 1.28E-02 | 2.06E-02 | 3.39E-02 | 3.26E-02 | 4.23E-02 | 5.29E-02 | 6.92E-02 | 5.98E-04 | 2.68E-02 | 4.36E-03 | 8.11E-04 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | 7-PAH | 4.22E-04 | 5.01E-04 | 8.04E-04 | 1.16E-03 | 1.11E-03 | 1.35E-03 | 1.76E-03 | 2.04E-03 | 8.32E-07 | 1.06E-03 | 3.43E-05 | 1.15E-05 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Propylene Dichloride | 4.15E-07 | 4.77E-07 | 5.89E-07 | 9.09E-07 | 1.21E-06 | 1.76E-06 | 2.33E-06 | 2.57E-06 | 0.00E+00 | 1.21E-06 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Quinoline | 4.81E-09 | 6.35E-09 | 1.79E-08 | 3.78E-08 | 4.52E-08 | 7.61E-08 | 9.59E-08 | 1.14E-07 | 0.00E+00 | 4.52E-08 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | 1,1,2,2-Tetrachloroethane | 9.16E-06 | 1.08E-05 | 1.71E-05 | 3.42E-05 | 3.07E-05 | 4.01E-05 | 4.68E-05 | 5.55E-05 | 0.00E+00 | 3.07E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Wright County | 27171 | U | Trichloroethylene | 8.39E-02 | 8.40E-02 | 8.49E-02 | 8.92E-02 | 8.89E-02 | 9.05E-02 | 9.91E-02 | 9.92E-02 | 1.00E-03 | 6.90E-03 | 0.00E+00 | 0.00E+00 | 8.10E-02 | |
| Minnesota | Wright County | 27171 | U | Vinyl Chloride | 1.84E-04 | 1.93E-04 | 2.02E-04 | 2.45E-04 | 3.11E-04 | 3.01E-04 | 5.80E-04 | 1.17E-07 | 3.10E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Acetaldehyde | 3.98E-02 | 3.98E-02 | 5.81E-02 | 7.98E-02 | 7.82E-02 | 9.83E-02 | 1.13E-01 | 1.13E-01 | 2.97E-05 | 2.48E-02 | 2.58E-02 | 2.76E-02 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Acrolein | 2.46E-03 | 2.46E-03 | 2.65E-03 | 2.92E-03 | 3.30E-03 | 3.96E-03 | 4.90E-03 | 4.90E-03 | 2.57E-06 | 3.33E-04 | 1.55E-03 | 1.42E-03 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Acrylonitrile | 7.25E-06 | 7.25E-06 | 1.18E-05 | 2.11E-05 | 5.19E-05 | 1.58E-04 | 1.58E-04 | 0.00E+00 | 5.19E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Arsenic Compounds | 6.95E-06 | 6.95E-06 | 7.81E-06 | 9.05E-06 | 9.75E-06 | 1.17E-05 | 1.39E-05 | 1.39E-05 | 2.66E-06 | 2.98E-07 | 2.11E-06 | 4.68E-06 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Benzene | 5.10E-01 | 5.10E-01 | 5.11E-01 | 5.14E-01 | 5.21E-01 | 5.31E-01 | 5.45E-01 | 5.45E-01 | 1.85E-04 | 1.07E-02 | 1.69E-02 | 1.30E-02 | 4.80E-01 | |
| Minnesota | Yellow Medicine County | 27173 | R | Benzidine | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Beryllium Compounds | 1.22E-07 | 1.22E-07 | 1.70E-07 | 2.68E-07 | 3.87E-07 | 6.04E-07 | 8.91E-07 | 8.91E-07 | 3.53E-08 | 1.39E-07 | 0.00E+00 | 2.13E-07 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | 1,3-Butadiene | 1.51E-03 | 1.51E-03 | 1.53E-03 | 1.58E-03 | 2.16E-03 | 2.79E-03 | 3.97E-03 | 3.97E-03 | 0.00E+00 | 4.67E-05 | 1.07E-03 | 1.04E-03 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Cadmium Compounds | 5.23E-07 | 5.23E-07 | 6.37E-07 | 8.09E-07 | 9.00E-07 | 1.16E-06 | 1.46E-06 | 1.46E-06 | 4.34E-07 | 2.53E-07 | 0.00E+00 | 2.12E-07 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Carbon Disulfide | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.70E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 4.71E-02 | 1.49E-06 | 5.16E-05 | 0.00E+00 | 0.00E+00 | 4.70E-02 | |
| Minnesota | Yellow Medicine County | 27173 | R | Carbon Tetrachloride | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 8.80E-01 | 0.00E+00 | 1.29E-05 | 0.00E+00 | 0.00E+00 | 8.80E-01 | |
| Minnesota | Yellow Medicine County | 27173 | R | Chloroform | 8.39E-02 | 8.39E-02 | 8.39E-02 | 8.40E-02 | 8.41E-02 | 8.42E-02 | 8.45E-02 | 8.45E-02 | 6.78E-07 | 1.08E-03 | 0.00E+00 | 0.00E+00 | 8.30E-02 | |
| Minnesota | Yellow Medicine County | 27173 | R | Chromium Compounds (includes Hexavalent) | 7.82E-06 | 7.82E-06 | 8.70E-06 | 1.10E-05 | 1.08E-05 | 1.28E-05 | 1.32E-05 | 1.32E-05 | 9.11E-06 | 2.36E-07 | 1.25E-06 | 1.72E-07 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Chromium VI | 2.72E-06 | 2.72E-06 | 2.97E-06 | 3.66E-06 | 3.66E-06 | 4.34E-06 | 4.58E-06 | 4.58E-06 | 3.00E-06 | 1.06E-07 | 4.89E-07 | 5.85E-08 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Coke Oven Emissions | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | 1,4-Dichlorobenzene | 6.48E-04 | 6.48E-04 | 6.76E-04 | 7.45E-04 | 9.50E-04 | 1.22E-03 | 1.66E-03 | 1.66E-03 | 0.00E+00 | 9.50E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | 1,3-Dichloropropene | 2.53E-03 | 2.53E-03 | 2.63E-03 | 2.88E-03 | 3.72E-03 | 4.82E-03 | 6.60E-03 | 6.60E-03 | 0.00E+00 | 3.72E-03 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Ethylene Dibromide | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 7.70E-03 | 1.38E-08 | 3.36E-08 | 0.00E+00 | 0.00E+00 | 7.70E-03 | |
| Minnesota | Yellow Medicine County | 27173 | R | Ethylene Dichloride | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 6.10E-02 | 4.60E-07 | 8.25E-06 | 0.00E+00 | 0.00E+00 | 6.10E-02 | |
| Minnesota | Yellow Medicine County | 27173 | R | Ethylene Oxide | 1.56E-04 | 1.56E-04 | 1.60E-04 | 1.74E-04 | 2.15E-04 | 2.69E-04 | 3.56E-04 | 3.56E-04 | 0.00E+00 | 2.15E-04 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Formaldehyde | 2.93E-01 | 2.93E-01 | 2.97E-01 | 3.06E-01 | 3.11E-01 | 3.25E-01 | 3.38E-01 | 3.38E-01 | 4.90E-05 | 1.71E-03 | 1.25E-02 | 4.66E-02 | 2.50E-01 | |
| Minnesota | Yellow Medicine County | 27173 | R | Hexachlorobenzene | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.31E-05 | 9.32E-05 | 9.32E-05 | 9.32E-05 | 0.00E+00 | 1.47E-07 | 0.00E+00 | 0.00E+00 | 9.30E-05 | |
| Minnesota | Yellow Medicine County | 27173 | R | Hexachlorobutadiene | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 1.80E-03 | 0.00E+00 | 5.62E-09 | 0.00E+00 | 0.00E+00 | 1.80E-03 | |
| Minnesota | Yellow Medicine County | 27173 | R | Hexamethylene Diisocyanate | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | |
| Minnesota | Yellow Medicine County | 27173 | R | Hydrazine | 4.94E-11 | 4.94E-11 | 5.67E-11 | 1.03E-10</ | | | | | | | | | | |

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

| State | County | FIPS | Urban or Rural | Pollutant | Percentile Distribution of Ambient Concentrations Across Census Tracts | | | | | | | | Contribution to Average from ... | | | | |
|-----------|------------------------|-------|----------------|---------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------------------------------|----------------|---------------|----------------|----------------------|
| | | | | | 5th | 10th | 25th | Median | Average | 75th | 90th | 95th | Major | Area and Other | Onroad Mobile | Nonroad Mobile | Estimated Background |
| Minnesota | Yellow Medicine County | 27173 | R | Polycyclic Organic Matter | 2.23E-03 | 2.23E-03 | 2.34E-03 | 2.56E-03 | 3.10E-03 | 3.85E-03 | 5.04E-03 | 5.04E-03 | 5.64E-07 | 2.47E-03 | 3.81E-04 | 2.42E-04 | 0.00E+00 |
| Minnesota | Yellow Medicine County | 27173 | R | 7-PAH | 7.79E-05 | 7.79E-05 | 8.63E-05 | 1.02E-04 | 1.16E-04 | 1.46E-04 | 1.84E-04 | 1.84E-04 | 3.07E-09 | 1.09E-04 | 2.91E-06 | 4.26E-06 | 0.00E+00 |
| Minnesota | Yellow Medicine County | 27173 | R | Propylene Dichloride | 8.32E-08 | 8.32E-08 | 8.70E-08 | 1.08E-07 | 1.20E-07 | 1.54E-07 | 1.82E-07 | 1.82E-07 | 0.00E+00 | 1.20E-07 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Yellow Medicine County | 27173 | R | Quinoline | 1.25E-09 | 1.25E-09 | 1.42E-09 | 1.96E-09 | 2.91E-09 | 4.40E-09 | 6.48E-09 | 6.48E-09 | 0.00E+00 | 2.91E-09 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Yellow Medicine County | 27173 | R | 1,1,2,2-Tetrachloroethane | 1.56E-06 | 1.56E-06 | 3.01E-06 | 5.97E-06 | 1.56E-05 | 2.82E-05 | 4.88E-05 | 4.88E-05 | 0.00E+00 | 1.56E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |
| Minnesota | Yellow Medicine County | 27173 | R | Trichloroethylene | 8.13E-02 | 8.13E-02 | 8.13E-02 | 8.14E-02 | 8.15E-02 | 8.17E-02 | 8.20E-02 | 8.20E-02 | 0.00E+00 | 5.34E-04 | 0.00E+00 | 0.00E+00 | 8.10E-02 |
| Minnesota | Yellow Medicine County | 27173 | R | Vinyl Chloride | 1.38E-05 | 1.38E-05 | 3.54E-05 | 6.20E-05 | 8.25E-05 | 1.30E-04 | 1.93E-04 | 1.93E-04 | 0.00E+00 | 8.25E-05 | 0.00E+00 | 0.00E+00 | 0.00E+00 |