

US EPA ARCHIVE DOCUMENT

1999 DRAFT Modeled Ambient Concentrations for South Dakota: 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 South Dakota

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		
South Dakota	Statewide	N/A	N/A	Acetaldehyde	2.96E-02	3.87E-02	5.63E-02	9.74E-02	5.53E-01	2.87E-01	5.68E-01	1.26E+00	1.46E-03	4.65E-01	5.92E-02	2.67E-02	0.00E+00		
South Dakota	Statewide	N/A	N/A	Acrolein	4.01E-03	4.82E-03	8.63E-03	2.18E-02	3.68E-02	4.19E-02	9.08E-02	1.37E-01	1.49E-04	3.06E-02	4.58E-03	1.52E-03	0.00E+00		
South Dakota	Statewide	N/A	N/A	Acrylonitrile	2.87E-07	4.27E-07	1.56E-06	1.16E-05	8.71E-05	6.58E-05	1.74E-04	3.44E-04	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	Arsenic Compounds	6.96E-07	1.04E-06	2.58E-06	6.39E-06	2.27E-05	2.41E-05	6.17E-05	8.85E-05	6.50E-06	3.25E-06	7.73E-06	5.25E-06	0.00E+00		
South Dakota	Statewide	N/A	N/A	Benzene	5.00E-01	5.06E-01	5.20E-01	5.59E-01	6.71E-01	7.27E-01	1.01E+00	1.17E+00	7.12E-05	7.53E-02	9.23E-02	2.33E-02	4.80E-01		
South Dakota	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		
South Dakota	Statewide	N/A	N/A	Beryllium Compounds	1.23E-08	1.93E-08	5.54E-08	2.05E-07	1.35E-06	1.03E-06	3.77E-06	7.30E-06	1.29E-08	1.26E-06	0.00E+00	8.32E-08	0.00E+00		
South Dakota	Statewide	N/A	N/A	1,3-Butadiene	1.17E-03	1.56E-03	2.94E-03	7.93E-03	2.00E-02	2.49E-02	5.28E-02	6.56E-02	1.26E-08	8.66E-03	8.71E-03	2.66E-03	0.00E+00		
South Dakota	Statewide	N/A	N/A	Cadmium Compounds	2.20E-08	3.16E-08	9.80E-08	3.23E-07	2.34E-06	1.85E-06	7.84E-06	1.21E-05	3.72E-08	2.22E-06	0.00E+00	8.29E-08	0.00E+00		
South Dakota	Statewide	N/A	N/A	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.74E-02	4.74E-02	4.74E-02	4.74E-02	4.74E-02	4.89E-02	9.55E-08	3.56E-04	0.00E+00	4.70E-02		
South Dakota	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	8.80E-01	8.80E-01	0.00E+00	8.46E-05	0.00E+00	0.00E+00	8.80E-01		
South Dakota	Statewide	N/A	N/A	Chloroform	8.30E-02	8.30E-02	8.31E-02	8.36E-02	8.95E-02	8.77E-02	1.06E-01	1.18E-01	0.00E+00	6.51E-03	0.00E+00	0.00E+00	8.30E-02		
South Dakota	Statewide	N/A	N/A	Chromium Compounds (includes Hexavalent)	1.43E-07	1.79E-07	4.80E-07	3.03E-06	9.92E-05	2.92E-05	6.02E-05	2.21E-04	3.20E-05	6.11E-05	5.83E-06	3.23E-07	0.00E+00		
South Dakota	Statewide	N/A	N/A	Chromium VI	5.36E-08	7.10E-08	1.88E-07	1.19E-06	4.13E-05	9.67E-06	2.44E-05	4.50E-05	1.89E-05	2.00E-05	2.32E-06	1.10E-07	0.00E+00		
South Dakota	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		
South Dakota	Statewide	N/A	N/A	1,4-Dichlorobenzene	6.46E-05	1.01E-04	2.45E-04	8.96E-04	6.31E-03	7.06E-03	2.21E-02	2.90E-02	0.00E+00	6.31E-03	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	1,3-Dichloropropene	1.29E-04	1.97E-04	4.81E-04	1.81E-03	1.28E-02	1.43E-02	4.51E-02	5.83E-02	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00		
South Dakota	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	0.00E+00	5.53E-08	0.00E+00	0.00E+00	7.70E-03		
South Dakota	Statewide	N/A	N/A	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	2.63E-08	8.85E-06	0.00E+00	0.00E+00	6.10E-02		
South Dakota	Statewide	N/A	N/A	Ethylene Oxide	6.41E-07	1.70E-06	4.99E-06	2.34E-05	6.85E-04	2.25E-04	1.06E-03	2.35E-03	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	Formaldehyde	2.93E-01	3.07E-01	3.35E-01	4.12E-01	6.16E-01	6.41E-01	9.59E-01	1.55E+00	6.70E-03	2.77E-01	4.44E-02	3.80E-02	2.50E-01		
South Dakota	Statewide	N/A	N/A	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.35E-05	0.00E+00	1.44E-07	0.00E+00	0.00E+00	9.30E-05		
South Dakota	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	4.38E-08	0.00E+00	0.00E+00	1.80E-03		
South Dakota	Statewide	N/A	N/A	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	Hydrazine	0.00E+00	0.00E+00	0.00E+00	4.13E-11	8.36E-09	1.31E-09	2.05E-08	4.23E-08	0.00E+00	8.36E-09	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	Lead Compounds	1.33E-07	5.36E-07	3.98E-06	3.08E-05	3.65E-04	2.91E-04	9.21E-04	1.57E-03	7.03E-07	6.42E-05	0.00E+00	3.20E-04	0.00E+00		
South Dakota	Statewide	N/A	N/A	Manganese Compounds	1.62E-07	2.13E-07	5.80E-07	1.15E-05	1.31E-04	4.52E-05	1.76E-04	7.23E-04	6.42E-05	4.44E-05	1.89E-06	4.58E-07	0.00E+00		
South Dakota	Statewide	N/A	N/A	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.52E-03	1.55E-03	1.57E-03	9.19E-09	3.46E-06	8.08E-06	4.41E-06	1.50E-03		
South Dakota	Statewide	N/A	N/A	Methylene Chloride	1.50E-01	1.50E-01	1.51E-01	1.53E-01	1.79E-01	1.70E-01	2.44E-01	3.16E-01	1.50E-05	2.92E-02	0.00E+00	0.00E+00	1.50E-01		
South Dakota	Statewide	N/A	N/A	Nickel Compounds	2.38E-07	3.98E-07	1.04E-06	4.80E-06	7.80E-05	4.43E-05	2.11E-04	3.85E-04	1.92E-05	5.38E-05	4.38E-06	7.26E-07	0.00E+00		
South Dakota	Statewide	N/A	N/A	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.51E-01	1.55E-01	1.73E-01	1.92E-01	2.67E-08	1.08E-02	0.00E+00	0.00E+00	1.40E-01		
South Dakota	Statewide	N/A	N/A	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.83E-04	3.90E-04	3.92E-04	4.06E-04	4.31E-04	1.63E-12	1.03E-05	0.00E+00	0.00E+00	3.80E-04		
South Dakota	Statewide	N/A	N/A	Polycyclic Organic Matter	1.26E-03	1.57E-03	2.44E-03	4.52E-03	1.26E-02	1.80E-02	3.73E-02	4.68E-02	9.43E-07	9.91E-03	1.99E-03	6.69E-04	0.00E+00		
South Dakota	Statewide	N/A	N/A	7-PAH	1.44E-04	1.84E-04	3.21E-04	7.36E-04	1.35E-03	1.68E-03	3.34E-03	4.56E-03	5.89E-10	1.33E-03	1.33E-05	5.14E-06	0.00E+00		
South Dakota	Statewide	N/A	N/A	Propylene Dichloride	8.55E-09	1.27E-08	7.07E-08	6.43E-07	4.68E-06	3.38E-06	7.99E-06	1.38E-05	0.00E+00	4.68E-06	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	Quinoline	0.00E+00	0.00E+00	0.00E+00	7.50E-10	2.56E-08	1.12E-08	6.40E-08	1.14E-07	0.00E+00	2.56E-08	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	1.34E-09	1.99E-09	2.60E-07	4.36E-06	3.43E-05	1.82E-05	4.20E-05	7.25E-05	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00		
South Dakota	Statewide	N/A	N/A	Trichloroethylene	8.10E-02	8.10E-02	8.11E-02	8.14E-02	8.64E-02	8.39E-02	9.49E-02	1.14E-01	0.00E+00	5.41E-03	0.00E+00	0.00E+00	8.10E-02		
South Dakota	Statewide	N/A	N/A	Vinyl Chloride	5.14E-09	7.34E-09	7.64E-07	1.14E-05	8.62E-05	4.98E-05	1.10E-04	1.86E-04	0.00E+00	8.62E-05	0.00E+00	0.00E+00	0.00E+00		
South Dakota	All Urban Counties	N/A	U	Acetaldehyde	2.96E-02	4.77E-02	8.59E-02	2.09E-01	3.12E-01	3.59E-01	5.77E-01	7.64E-01	3.05E-03	1.55E-01	1.14E-01	4.06E-02	0.00E+00		
South Dakota	All Urban Counties	N/A	U	Acrolein	3.66E-03	5.63E-03	1.25E-02	3.09E-02	4.86E-02	5.94E-02	1.29E-01	1.56E-01	3.19E-04	3.68E-02	8.72E-03	2.80E-03	0.00E+00		
South Dakota	All Urban Counties	N/A	U	Acrylonitrile	4.20E-06	7.15E-06	2.01E-05	6.74E-05	1.71E-04	1.28E-04	3.20E-04	4.69E-04	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00		
South Dakota	All Urban Counties	N/A	U	Arsenic Compounds	3.69E-06	4.26E-06	9.73E-06	2.43E-05	4.30E-05	5.46E-05	8.68E-05	1.04E-04	1.22E-05	6.94E-06	1.51E-05	8.84E-06	0.00E+00		
South Dakota	All Urban Counties	N/A	U	Benzene	5.07E-01	5.14E-01	5.78E-01	7.38E-01	8.18E-01	9.49E-01	1.17E+00	1.30E+00	1.35E-04	1.05E-01	1.86E-01	4.61E-02	4.80E-01		
South Dakota	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		
South Dakota	All Urban Counties	N/A	U	Beryllium Compounds	1.28E-07	1.58E-07	3.60E-07	1.16E-06	2.81E-06	3.32E-06	8.04E-06	1.16E-05	1.02E-08	2.66E-06	0.00E+00	1.41E-07	0.00E+00		
South Dakota	All Urban Counties	N/A	U	1,3-Butadiene	1.20E-03	1.93E-03	8.94E-03	2.49E-02	3.43E-02	4.75E-02	6.50E-02	1.09E-01	0.00E+00	1.07E-02	1.80E-02	5.55E-03	0.00E+00		

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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
South Dakota	All Urban Counties	N/A	U	Cadmium Compounds	2.29E-07	2.53E-07	5.52E-07	2.24E-06	4.87E-06	7.27E-06	1.46E-05	2.07E-05	2.47E-08	4.70E-06	0.00E+00	1.41E-07	0.00E+00
South Dakota	All Urban Counties	N/A	U	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.73E-02	4.77E-02	4.80E-02	4.91E-02	5.04E-02	6.95E-08	7.42E-04	0.00E+00	0.00E+00	4.70E-02
South Dakota	All Urban Counties	N/A	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	1.77E-04	0.00E+00	0.00E+00	8.80E-01
South Dakota	All Urban Counties	N/A	U	Chloroform	8.32E-02	8.33E-02	8.47E-02	9.01E-02	9.70E-02	1.04E-01	1.19E-01	1.31E-01	0.00E+00	1.40E-02	0.00E+00	0.00E+00	8.30E-02
South Dakota	All Urban Counties	N/A	U	Chromium Compounds (includes Hexavalent)	5.75E-07	1.55E-06	6.79E-06	2.87E-05	2.16E-04	5.76E-05	2.48E-04	3.88E-04	6.98E-05	1.34E-04	1.17E-05	6.58E-07	0.00E+00
South Dakota	All Urban Counties	N/A	U	Chromium VI	2.25E-07	6.98E-07	2.30E-06	1.04E-05	9.07E-05	2.24E-05	4.60E-05	2.47E-04	4.19E-05	4.39E-05	4.66E-06	2.24E-07	0.00E+00
South Dakota	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
South Dakota	All Urban Counties	N/A	U	1,4-Dichlorobenzene	2.59E-04	4.63E-04	1.66E-03	9.39E-03	1.31E-02	2.05E-02	2.95E-02	3.92E-02	0.00E+00	1.31E-02	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Urban Counties	N/A	U	1,3-Dichloropropene	5.04E-04	8.94E-04	3.31E-03	1.91E-02	2.68E-02	4.17E-02	6.03E-02	7.98E-02	0.00E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00
South Dakota	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	0.00E+00	1.07E-07	0.00E+00	0.00E+00	7.70E-03
South Dakota	All Urban Counties	N/A	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	2.14E-08	1.70E-05	0.00E+00	0.00E+00	6.10E-02	6.10E-02
South Dakota	All Urban Counties	N/A	U	Ethylene Oxide	5.62E-06	1.13E-05	3.82E-05	3.10E-04	1.48E-03	8.31E-04	2.35E-03	6.39E-03	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Urban Counties	N/A	U	Formaldehyde	2.86E-01	3.10E-01	3.74E-01	5.29E-01	5.97E-01	6.93E-01	9.71E-01	1.14E+00	1.45E-02	1.86E-01	8.74E-02	5.93E-02	2.50E-01
South Dakota	All Urban Counties	N/A	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.35E-05	9.37E-05	0.00E+00	1.95E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	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	9.26E-08	0.00E+00	0.00E+00	1.80E-03
South Dakota	All Urban Counties	N/A	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
South Dakota	All Urban Counties	N/A	U	Hydrazine	0.00E+00	0.00E+00	5.40E-11	9.26E-10	1.72E-08	1.59E-08	3.82E-08	6.20E-08	0.00E+00	1.72E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Urban Counties	N/A	U	Lead Compounds	1.59E-05	2.36E-05	9.37E-05	3.03E-04	7.73E-04	8.81E-04	1.61E-03	2.79E-03	2.01E-07	8.97E-05	0.00E+00	6.83E-04	0.00E+00
South Dakota	All Urban Counties	N/A	U	Manganese Compounds	1.09E-06	2.86E-06	1.48E-05	3.20E-05	1.92E-04	8.21E-05	2.34E-04	8.97E-04	6.03E-05	1.27E-04	3.82E-06	8.02E-07	0.00E+00
South Dakota	All Urban Counties	N/A	U	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.53E-03	1.55E-03	1.57E-03	1.59E-03	6.92E-09	7.39E-06	1.55E-05	7.32E-06	1.50E-03
South Dakota	All Urban Counties	N/A	U	Methylene Chloride	1.51E-01	1.52E-01	1.54E-01	1.72E-01	2.12E-01	2.29E-01	3.17E-01	3.91E-01	3.18E-05	6.16E-02	0.00E+00	0.00E+00	1.50E-01
South Dakota	All Urban Counties	N/A	U	Nickel Compounds	1.86E-06	2.92E-06	9.01E-06	5.14E-05	1.67E-04	1.84E-04	3.89E-04	6.81E-04	4.12E-05	1.15E-04	8.77E-06	1.30E-06	0.00E+00
South Dakota	All Urban Counties	N/A	U	Perchloroethylene	1.41E-01	1.41E-01	1.44E-01	1.56E-01	1.63E-01	1.70E-01	1.97E-01	2.08E-01	2.18E-08	2.29E-02	0.00E+00	0.00E+00	1.40E-01
South Dakota	All Urban Counties	N/A	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.82E-04	3.87E-04	3.95E-04	3.92E-04	4.25E-04	4.52E-04	0.00E+00	1.50E-05	0.00E+00	0.00E+00	3.80E-04
South Dakota	All Urban Counties	N/A	U	Polycyclic Organic Matter	1.97E-03	2.33E-03	6.66E-03	1.90E-02	2.30E-02	3.58E-02	4.73E-02	6.04E-02	1.01E-08	1.77E-02	3.98E-03	1.35E-03	0.00E+00
South Dakota	All Urban Counties	N/A	U	7-PAH	1.34E-04	1.86E-04	4.62E-04	8.66E-04	1.75E-03	2.59E-03	4.06E-03	4.84E-03	1.97E-10	1.71E-03	2.63E-05	1.01E-05	0.00E+00
South Dakota	All Urban Counties	N/A	U	Propylene Dichloride	2.11E-07	3.62E-07	1.15E-06	3.17E-06	9.05E-06	6.79E-06	1.36E-05	2.76E-05	0.00E+00	9.05E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Urban Counties	N/A	U	Quinoline	0.00E+00	0.00E+00	1.07E-09	4.75E-09	5.10E-08	5.31E-08	1.06E-07	1.81E-07	0.00E+00	5.10E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	1.23E-06	1.85E-06	6.36E-06	1.74E-05	6.51E-05	3.22E-05	6.11E-05	2.46E-04	0.00E+00	6.15E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Urban Counties	N/A	U	Trichloroethylene	8.11E-02	8.12E-02	8.16E-02	8.43E-02	9.27E-02	9.42E-02	1.20E-01	1.43E-01	0.00E+00	1.17E-02	0.00E+00	0.00E+00	8.10E-02
South Dakota	All Urban Counties	N/A	U	Vinyl Chloride	3.07E-06	5.05E-06	1.58E-05	4.57E-05	1.64E-04	8.85E-05	1.57E-04	6.05E-04	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Rural Counties	N/A	R	Acetaldehyde	3.01E-02	3.55E-02	4.77E-02	6.98E-02	7.47E-01	1.45E-01	4.66E-01	2.75E+00	1.73E-04	7.16E-01	1.50E-02	1.56E-02	0.00E+00
South Dakota	All Rural Counties	N/A	R	Acrolein	4.27E-03	4.77E-03	7.60E-03	1.65E-02	2.73E-02	3.60E-02	6.13E-02	7.19E-02	1.23E-05	2.56E-02	1.23E-03	4.86E-04	0.00E+00
South Dakota	All Rural Counties	N/A	R	Acrylonitrile	2.15E-07	3.24E-07	6.42E-07	2.16E-06	1.97E-05	1.13E-05	2.68E-05	6.33E-05	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Rural Counties	N/A	R	Arsenic Compounds	5.87E-07	8.23E-07	1.39E-06	3.49E-06	6.34E-06	6.60E-06	1.07E-05	1.50E-05	1.92E-06	2.67E-07	1.82E-06	2.34E-06	0.00E+00
South Dakota	All Rural Counties	N/A	R	Benzene	4.99E-01	5.02E-01	5.13E-01	5.32E-01	5.53E-01	5.65E-01	6.16E-01	6.60E-01	1.98E-05	5.13E-02	1.64E-02	4.88E-03	4.80E-01
South Dakota	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
South Dakota	All Rural Counties	N/A	R	Beryllium Compounds	1.13E-08	1.37E-08	2.40E-08	6.85E-08	1.72E-07	2.04E-07	4.30E-07	6.86E-07	1.51E-08	1.21E-07	0.00E+00	3.63E-08	0.00E+00
South Dakota	All Rural Counties	N/A	R	1,3-Butadiene	1.14E-03	1.47E-03	2.44E-03	4.29E-03	8.51E-03	8.69E-03	1.72E-02	2.39E-02	2.28E-08	7.02E-03	1.17E-03	3.19E-04	0.00E+00
South Dakota	All Rural Counties	N/A	R	Cadmium Compounds	1.84E-08	2.33E-08	4.16E-08	1.15E-07	2.95E-07	2.92E-07	7.34E-07	1.03E-06	4.73E-08	2.12E-07	0.00E+00	3.62E-08	0.00E+00
South Dakota	All Rural Counties	N/A	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	1.16E-07	4.51E-05	0.00E+00	4.70E-02
South Dakota	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	0.00E+00	9.87E-06	0.00E+00	0.00E+00	8.80E-01
South Dakota	All Rural Counties	N/A	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.35E-02	8.35E-02	8.43E-02	8.50E-02	0.00E+00	4.62E-04	0.00E+00	0.00E+00	8.30E-02
South Dakota	All Rural Counties	N/A	R	Chromium Compounds (includes Hexavalent)	1.28E-07	1.45E-07	2.46E-07	6.99E-07	4.98E-06	2.60E-06	1.67E-05	3.17E-05	1.37E-06	2.46E-06	1.09E-06	5.23E-08	0.00E+00
South Dakota	All Rural Counties	N/A	R	Chromium VI	4.87E-08	5.71E-08	9.54E-08	2.75E-07	1.51E-06	9.91E-07	4.13E-06	6.81E-06	3.54E-07	7.11E-07	4.29E-07	1.78E-08	0.00E+00
South Dakota	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
South Dakota	All Rural Counties	N/A	R	1,4-Dichlorobenzene	5.74E-05	6.73E-05	1.22E-04	3.13E-04	7.89E-04	6.94E-04	2.08E-03	3.28E-03	0.00E+00	7.89E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Rural Counties	N/A	R	1,3-Dichloropropene	1.10E-04	1.31E-04	2.35E-04	6.12E-04	1.58E-03	1.36E-03	4.15E-03	6.70E-03	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	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	0.00E+00	1.37E-08	0.00E+00	0.00E+00	7.70E-03
South Dakota	All Rural Counties	N/A	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	3.03E-08	2.25E-06	0.00E+00	6.10E-02
South Dakota	All Rural Counties	N/A	R	Ethylene Oxide	2.47E-07	9.36E-07	2.56E-06	7.19E-06	4.11E-05	2.37E-05	5.85E-05	9.67E-05	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Rural Counties	N/A	R	Formaldehyde	2.97E-01	3.07E-01	3.28E-01	3.82E-01	6.32E-01	5.05E-01	8.85E-01	1.67E+00	4.43E-04	3.51E-01	9.66E-03	2.08E-02	2.50E-01
South Dakota	All Rural Counties	N/A	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	0.00E+00	1.03E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	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	4.42E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	All Rural Counties	N/A	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.06E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Rural Counties	N/A	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-09	6.93E-11	8.96E-10	3.93E-09	0.00E+00	1.26E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	All Rural Counties	N/A	R	Lead Compounds	7.65E-08	1.45E-07	1.24E-06	6.12E-06	3.54E-05	2.37E-05	1.03E-04	1.89E-04	1.11E-06	7.48E-06	0.00E+00	2.68E-05	0.00E+00
South Dakota	All Rural Counties	N/A	R	Manganese Compounds	1.43E-07	1.66E-07	2.88E-07	8.75E-07	8.14E-05	9.71							

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

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	
South Dakota	All Rural Counties	N/A	R	7-PAH	1.44E-04	1.69E-04	2.68E-04	6.10E-04	1.02E-03	1.28E-03	2.20E-03	2.75E-03	9.07E-10	1.02E-03	2.77E-06	1.16E-06	0.00E+00	
South Dakota	All Rural Counties	N/A	R	Propylene Dichloride	6.40E-09	9.65E-09	2.03E-08	9.59E-08	1.14E-06	6.26E-07	1.76E-06	3.39E-06	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	All Rural Counties	N/A	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-09	1.21E-09	6.99E-09	1.85E-08	0.00E+00	5.06E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	1.00E-09	1.51E-09	3.25E-09	4.61E-07	9.43E-06	4.22E-06	1.01E-05	2.94E-05	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	All Rural Counties	N/A	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.14E-02	8.14E-02	8.20E-02	8.24E-02	0.00E+00	3.58E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	All Rural Counties	N/A	R	Vinyl Chloride	3.81E-09	5.58E-09	1.30E-08	1.19E-06	2.35E-05	1.04E-05	2.50E-05	7.25E-05	0.00E+00	2.35E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	Acetaldehyde	5.45E-02	5.45E-02	5.45E-02	5.45E-02	5.45E-02	5.45E-02	5.45E-02	5.45E-02	0.00E+00	2.22E-02	1.15E-02	2.07E-02	0.00E+00	
South Dakota	Aurora County	46003	R	Acrolein	9.52E-03	9.52E-03	9.52E-03	9.52E-03	9.52E-03	9.52E-03	9.52E-03	9.52E-03	0.00E+00	7.97E-03	1.05E-03	5.03E-04	0.00E+00	
South Dakota	Aurora County	46003	R	Acrylonitrile	9.49E-06	9.49E-06	9.49E-06	9.49E-06	9.49E-06	9.49E-06	9.49E-06	9.49E-06	0.00E+00	9.49E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	Arsenic Compounds	4.40E-06	4.40E-06	4.40E-06	4.40E-06	4.40E-06	4.40E-06	4.40E-06	4.40E-06	0.00E+00	9.62E-08	1.38E-06	2.92E-06	0.00E+00	
South Dakota	Aurora County	46003	R	Benzene	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	0.00E+00	1.74E-02	1.18E-02	4.21E-03	4.80E-01	
South Dakota	Aurora County	46003	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	
South Dakota	Aurora County	46003	R	Beryllium Compounds	5.58E-08	5.58E-08	5.58E-08	5.58E-08	5.58E-08	5.58E-08	5.58E-08	5.58E-08	0.00E+00	5.27E-08	0.00E+00	3.07E-09	0.00E+00	
South Dakota	Aurora County	46003	R	1,3-Butadiene	2.49E-03	2.49E-03	2.49E-03	2.49E-03	2.49E-03	2.49E-03	2.49E-03	2.49E-03	0.00E+00	1.58E-03	6.75E-04	2.34E-04	0.00E+00	
South Dakota	Aurora County	46003	R	Cadmium Compounds	9.84E-08	9.84E-08	9.84E-08	9.84E-08	9.84E-08	9.84E-08	9.84E-08	9.84E-08	0.00E+00	9.53E-08	0.00E+00	3.04E-09	0.00E+00	
South Dakota	Aurora County	46003	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	2.95E-05	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Aurora County	46003	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	4.94E-06	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Aurora County	46003	R	Chloroform	8.35E-02	8.35E-02	8.35E-02	8.35E-02	8.35E-02	8.35E-02	8.35E-02	8.35E-02	0.00E+00	4.95E-04	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Aurora County	46003	R	Chromium Compounds (includes Hexavalent)	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.47E-06	0.00E+00	6.26E-07	8.13E-07	3.49E-08	0.00E+00	
South Dakota	Aurora County	46003	R	Chromium VI	9.07E-07	9.07E-07	9.07E-07	9.07E-07	9.07E-07	9.07E-07	9.07E-07	9.07E-07	0.00E+00	5.77E-07	3.18E-07	1.19E-08	0.00E+00	
South Dakota	Aurora County	46003	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	
South Dakota	Aurora County	46003	R	1,4-Dichlorobenzene	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	3.18E-04	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	1,3-Dichloropropene	6.07E-04	6.07E-04	6.07E-04	6.07E-04	6.07E-04	6.07E-04	6.07E-04	6.07E-04	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	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	8.83E-09	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Aurora County	46003	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	1.13E-06	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Aurora County	46003	R	Ethylene Oxide	7.14E-06	7.14E-06	7.14E-06	7.14E-06	7.14E-06	7.14E-06	7.14E-06	7.14E-06	0.00E+00	7.14E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	Formaldehyde	3.35E-01	3.35E-01	3.35E-01	3.35E-01	3.35E-01	3.35E-01	3.35E-01	3.35E-01	0.00E+00	4.87E-02	7.27E-03	2.90E-02	2.50E-01	
South Dakota	Aurora County	46003	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	1.14E-07	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Aurora County	46003	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	1.88E-09	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Aurora County	46003	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	
South Dakota	Aurora County	46003	R	Hydrazine	2.06E-10	2.06E-10	2.06E-10	2.06E-10	2.06E-10	2.06E-10	2.06E-10	2.06E-10	0.00E+00	2.06E-10	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	Lead Compounds	1.23E-05	1.23E-05	1.23E-05	1.23E-05	1.23E-05	1.23E-05	1.23E-05	1.23E-05	0.00E+00	5.39E-06	0.00E+00	6.90E-06	0.00E+00	
South Dakota	Aurora County	46003	R	Manganese Compounds	4.71E-06	4.71E-06	4.71E-06	4.71E-06	4.71E-06	4.71E-06	4.71E-06	4.71E-06	3.85E-06	3.92E-07	2.52E-07	2.16E-07	0.00E+00	
South Dakota	Aurora County	46003	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	0.00E+00	1.57E-07	1.66E-06	2.57E-06	1.50E-03	
South Dakota	Aurora County	46003	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	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Aurora County	46003	R	Nickel Compounds	2.09E-06	2.09E-06	2.09E-06	2.09E-06	2.09E-06	2.09E-06	2.09E-06	2.09E-06	0.00E+00	1.17E-06	6.33E-07	2.92E-07	0.00E+00	
South Dakota	Aurora County	46003	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	6.28E-04	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Aurora County	46003	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	0.00E+00	2.92E-06	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Aurora County	46003	R	Polycyclic Organic Matter	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	0.00E+00	1.62E-03	2.83E-04	1.03E-04	0.00E+00	
South Dakota	Aurora County	46003	R	7-PAH	3.49E-04	3.49E-04	3.49E-04	3.49E-04	3.49E-04	3.49E-04	3.49E-04	3.49E-04	0.00E+00	3.46E-04	2.11E-06	9.04E-07	0.00E+00	
South Dakota	Aurora County	46003	R	Propylene Dichloride	5.77E-07	5.77E-07	5.77E-07	5.77E-07	5.77E-07	5.77E-07	5.77E-07	5.77E-07	0.00E+00	5.77E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	Quinoline	4.68E-09	4.68E-09	4.68E-09	4.68E-09	4.68E-09	4.68E-09	4.68E-09	4.68E-09	0.00E+00	4.68E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	R	1,1,2,2-Tetrachloroethane	4.58E-06	4.58E-06	4.58E-06	4.58E-06	4.58E-06	4.58E-06	4.58E-06	4.58E-06	0.00E+00	4.58E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Aurora County	46003	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	1.19E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Aurora County	46003	R	Vinyl Chloride	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Beadle County	46005	U	Acetaldehyde	9.44E-02	9.44E-02	9.74E-02	5.77E-01	5.32E-01	7.73E-01	1.08E+00	1.08E+00	0.00E+00	4.81E-01	3.16E-02	1.97E-02	0.00E+00	
South Dakota	Beadle County	46005	U	Acrolein	9.62E-03	9.62E-03	1.63E-02	4.08E-02	4.13E-02	5.94E-02	8.08E-02	8.08E-02	0.00E+00	3.75E-02	2.66E-03	1.14E-03	0.00E+00	
South Dakota	Beadle County	46005	U	Acrylonitrile	1.09E-05	1.09E-05	1.43E-05	3.86E-05	5.60E-05	1.13E-04	1.21E-04	1.21E-04	0.00E+00	5.60E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Beadle County	46005	U	Arsenic Compounds	2.95E-06	2.95E-06	2.99E-06	1.53E-05	1.55E-05	1.81E-05	3.83E-05	3.83E-05	0.00E+00	2.98E-06	6.48E-06	6.06E-06	0.00E+00	
South Dakota	Beadle County	46005	U	Benzene	5.06E-01	5.06E-01	5.18E-01	6.66E-01	6.70E-01	7.27E-01	9.34E-01	9.34E-01	0.00E+00	1.03E-01	6.73E-02	1.92E-02	4.80E-01	
South Dakota	Beadle County	46005	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	
South Dakota	Beadle County	46005	U	Beryllium Compounds	9.33E-08	9.33E-08	1.10E-07	9.75E-07	1.22E-06	1.12E-06	4.06E-06	4.06E-06	0.00E+00	1.05E-06	0.00E+00	1.74E-07	0.00E+00	
South Dakota	Beadle County	46005	U	1,3-Butadiene	1.93E-03	1.93E-03	4.72E-03	2.60E-02	2.89E-02	4.03E-02	7.44E-02	7.44E-02	0.00E+00	1.95E-02	7.13E-03	2.29E-03	0.00E+00	
South Dakota	Beadle County	46005	U	Cadmium Compounds	2.04E-07	2.04E-07	2.97E-07	3.25E-06	3.14E-06	4.10E-06	7.73E-06	7.73E-06	0.00E+00	2.97E-06	0.00E+00	1.74E-07	0.00E+00	
South Dakota	Beadle County	46005	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.72E-02	4.72E-02	4.72E-02	4.79E-02	4.79E-02	0.00E+00	2.44E-04	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Beadle County	46005	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	6.91E-05	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Beadle County	46005	U	Chloroform	8.32E-02	8.32E-02	8.32E-02	8.72E-02	8									

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

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	
South Dakota	Beadle County	46005	U	Ethylene Oxide	3.01E-06	3.01E-06	3.04E-06	6.05E-05	2.82E-04	1.17E-04	1.45E-03	1.45E-03	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	Formaldehyde	3.74E-01	3.74E-01	4.07E-01	6.88E-01	6.76E-01	8.83E-01	1.02E+00	1.02E+00	0.00E+00	3.64E-01	3.12E-02	3.11E-02	2.50E-01	2.50E-01
South Dakota	Beadle County	46005	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	2.73E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Beadle County	46005	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	3.84E-08	0.00E+00	0.00E+00	1.80E-03	1.80E-03
South Dakota	Beadle County	46005	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
South Dakota	Beadle County	46005	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	0.00E+00
South Dakota	Beadle County	46005	U	Lead Compounds	8.01E-05	8.01E-05	1.25E-04	7.10E-04	1.12E-03	1.56E-03	3.53E-03	3.53E-03	0.00E+00	3.73E-05	0.00E+00	1.08E-03	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	Manganese Compounds	4.62E-05	4.62E-05	9.23E-05	4.70E-04	1.09E-03	1.05E-03	4.42E-03	4.42E-03	0.00E+00	1.09E-03	1.20E-06	5.12E-07	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.54E-03	1.54E-03	0.00E+00	2.52E-06	7.15E-06	5.22E-06	1.50E-03	1.50E-03
South Dakota	Beadle County	46005	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.69E-01	1.76E-01	1.72E-01	2.44E-01	2.44E-01	0.00E+00	2.61E-02	0.00E+00	0.00E+00	1.50E-01	1.50E-01
South Dakota	Beadle County	46005	U	Nickel Compounds	2.38E-06	2.38E-06	3.37E-06	5.33E-05	5.66E-05	6.68E-05	1.61E-04	1.61E-04	0.00E+00	5.26E-05	3.19E-06	8.05E-07	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	Perchloroethylene	1.40E-01	1.40E-01	1.41E-01	1.45E-01	1.45E-01	1.46E-01	1.54E-01	1.54E-01	0.00E+00	5.07E-03	0.00E+00	0.00E+00	1.40E-01	1.40E-01
South Dakota	Beadle County	46005	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	4.04E-04	4.03E-04	4.08E-04	4.36E-04	4.36E-04	0.00E+00	2.25E-05	0.00E+00	0.00E+00	3.80E-04	3.80E-04
South Dakota	Beadle County	46005	U	Polycyclic Organic Matter	2.03E-03	2.03E-03	2.34E-03	1.34E-02	1.36E-02	1.90E-02	3.12E-02	3.12E-02	0.00E+00	1.11E-02	1.52E-03	9.81E-04	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	7-PAH	3.69E-04	3.69E-04	6.38E-04	1.91E-03	1.96E-03	2.94E-03	4.02E-03	4.02E-03	0.00E+00	1.95E-03	1.02E-05	6.79E-06	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	Propylene Dichloride	6.40E-07	6.40E-07	8.36E-07	1.90E-06	2.73E-06	4.32E-06	6.79E-06	6.79E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	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	0.00E+00
South Dakota	Beadle County	46005	U	1,1,2,2-Tetrachloroethane	5.69E-06	5.69E-06	7.42E-06	1.36E-05	1.93E-05	1.79E-05	5.75E-05	5.75E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Beadle County	46005	U	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.33E-02	8.45E-02	8.39E-02	9.43E-02	9.43E-02	0.00E+00	3.52E-03	0.00E+00	0.00E+00	8.10E-02	8.10E-02
South Dakota	Beadle County	46005	U	Vinyl Chloride	1.40E-05	1.40E-05	1.83E-05	3.35E-05	4.76E-05	4.46E-05	1.42E-04	1.42E-04	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Acetaldehyde	7.29E-03	7.29E-03	3.32E-02	5.54E-02	5.37E-02	7.13E-02	1.02E-01	1.02E-01	0.00E+00	4.21E-02	7.60E-03	4.03E-03	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Acrolein	3.36E-03	3.36E-03	1.72E-02	3.74E-02	4.05E-02	6.03E-02	9.08E-02	9.08E-02	0.00E+00	3.99E-02	4.53E-04	1.31E-04	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Acrylonitrile	3.20E-07	3.20E-07	4.60E-07	5.61E-07	8.92E-07	1.42E-06	1.94E-06	1.94E-06	0.00E+00	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Arsenic Compounds	7.78E-07	7.78E-07	8.23E-07	1.11E-06	1.88E-06	1.67E-06	7.04E-06	7.04E-06	0.00E+00	6.67E-08	9.44E-07	8.69E-07	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Benzene	4.88E-01	4.88E-01	5.26E-01	5.67E-01	5.65E-01	5.92E-01	6.60E-01	6.60E-01	0.00E+00	7.52E-02	8.03E-03	1.24E-03	4.80E-01	4.80E-01
South Dakota	Bennett County	46007	R	Benzo(a)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Beryllium Compounds	9.00E-09	9.00E-09	1.40E-08	1.80E-08	4.31E-08	2.06E-08	2.30E-07	2.30E-07	0.00E+00	4.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	1,3-Butadiene	4.04E-04	4.04E-04	3.98E-03	9.35E-03	1.19E-02	1.65E-02	3.56E-02	3.56E-02	0.00E+00	1.11E-02	7.35E-04	8.55E-05	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Cadmium Compounds	1.76E-08	1.76E-08	2.40E-08	3.42E-08	6.46E-08	4.98E-08	2.83E-07	2.83E-07	0.00E+00	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	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	5.21E-06	0.00E+00	0.00E+00	4.70E-02	4.70E-02
South Dakota	Bennett County	46007	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	2.20E-06	0.00E+00	0.00E+00	8.80E-01	8.80E-01
South Dakota	Bennett County	46007	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	1.27E-05	0.00E+00	0.00E+00	8.30E-02	8.30E-02
South Dakota	Bennett County	46007	R	Chromium Compounds (includes Hexavalent)	1.33E-07	1.33E-07	1.54E-07	2.36E-07	5.74E-07	3.23E-07	3.03E-06	3.03E-06	0.00E+00	5.02E-08	5.14E-07	9.81E-09	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Chromium VI	4.87E-08	4.87E-08	5.68E-08	8.76E-08	2.10E-07	1.23E-07	1.10E-06	1.10E-06	0.00E+00	1.97E-08	1.87E-07	3.33E-09	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	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
South Dakota	Bennett County	46007	R	1,4-Dichlorobenzene	5.74E-05	5.74E-05	7.26E-05	1.32E-04	3.99E-04	2.20E-04	2.28E-03	2.28E-03	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	1,3-Dichloropropene	1.10E-04	1.10E-04	1.41E-04	2.59E-04	8.05E-04	4.35E-04	4.66E-03	4.66E-03	0.00E+00	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	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	2.42E-10	0.00E+00	0.00E+00	7.70E-03	7.70E-03
South Dakota	Bennett County	46007	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	7.34E-08	0.00E+00	0.00E+00	6.10E-02	6.10E-02
South Dakota	Bennett County	46007	R	Ethylene Oxide	6.10E-06	6.10E-06	7.17E-06	8.82E-06	8.55E-06	9.88E-06	1.05E-05	1.05E-05	0.00E+00	8.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Formaldehyde	2.66E-01	2.66E-01	3.36E-01	4.11E-01	4.34E-01	5.18E-01	6.78E-01	6.78E-01	0.00E+00	1.73E-01	5.01E-03	6.09E-03	2.50E-01	2.50E-01
South Dakota	Bennett County	46007	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.35E-05	9.35E-05	0.00E+00	9.15E-08	0.00E+00	0.00E+00	9.30E-05	9.30E-05
South Dakota	Bennett County	46007	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	8.25E-10	0.00E+00	0.00E+00	1.80E-03	1.80E-03
South Dakota	Bennett County	46007	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
South Dakota	Bennett County	46007	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
South Dakota	Bennett County	46007	R	Lead Compounds	1.24E-06	1.24E-06	1.55E-06	1.75E-06	1.90E-06	2.06E-06	3.26E-06	3.26E-06	0.00E+00	1.89E-06	0.00E+00	1.63E-08	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Manganese Compounds	1.57E-07	1.57E-07	1.73E-07	2.95E-07	4.75E-07	1.89E-06	1.89E-06	1.89E-06	0.00E+00	2.34E-07	1.77E-07	6.44E-08	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	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	0.00E+00	6.20E-08	1.13E-06	7.51E-07	1.50E-03	1.50E-03
South Dakota	Bennett County	46007	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	0.00E+00	6.67E-04	0.00E+00	0.00E+00	1.50E-01	1.50E-01
South Dakota	Bennett County	46007	R	Nickel Compounds	4.32E-07	4.32E-07	4.63E-07	5.81E-07	8.72E-07	7.36E-07	2.99E-06	2.99E-06	0.00E+00	3.86E-07	3.97E-07	8.99E-08	0.00E+00	0.00E+00
South Dakota	Bennett County	46007	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	0.00E+00	1.45E-04	0.00E+00	0.00E+00	1.40E-01	1.40E-01
South Dakota	Bennett County	46007	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.81E-04	3.81E-04	3.88E-04	3.81E-04	4.35E-04	4.35E-04	0.00E+00	7.78E-06	0.00E+00	0.00E+00	3.80E-04	3.80E-04
South Dakota	Bennett County	46007	R	Polycyclic Organic Matter	4.38E-04	4.38E-04	2.41E-03	4.77E-03	4.52E-03	5.87E-03	9.62E-03	9.62E-03	0.00E+00	4.30E-03	1.86E-04	3.08E-05	0.00E+00	0.00E+00
South Dakota																		

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

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	
South Dakota	Bon Homme County	46009	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
South Dakota	Bon Homme County	46009	R	Beryllium Compounds	7.33E-08	7.33E-08	7.33E-08	1.08E-07	1.08E-07	1.42E-07	1.42E-07	1.42E-07	0.00E+00	9.27E-08	0.00E+00	1.51E-08	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	1,3-Butadiene	3.04E-03	3.04E-03	3.04E-03	4.29E-03	4.29E-03	5.55E-03	5.55E-03	5.55E-03	0.00E+00	3.04E-03	8.76E-04	3.78E-04	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Cadmium Compounds	1.26E-07	1.26E-07	1.26E-07	1.77E-07	1.77E-07	2.27E-07	2.27E-07	2.27E-07	0.00E+00	1.62E-07	0.00E+00	1.51E-08	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	0.00E+00	7.86E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	Bon Homme County	46009	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	8.65E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01
South Dakota	Bon Homme County	46009	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	1.44E-04	0.00E+00	0.00E+00	0.00E+00	8.30E-02
South Dakota	Bon Homme County	46009	R	Chromium Compounds (includes Hexavalent)	9.94E-07	9.94E-07	9.94E-07	8.95E-06	8.95E-06	1.69E-05	1.69E-05	1.69E-05	7.83E-06	1.52E-07	9.07E-07	6.16E-08	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Chromium VI	3.99E-07	3.99E-07	3.99E-07	5.03E-06	5.03E-06	9.67E-06	9.67E-06	9.67E-06	4.59E-06	6.58E-08	3.60E-07	2.10E-08	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	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
South Dakota	Bon Homme County	46009	R	1,4-Dichlorobenzene	5.21E-04	5.21E-04	5.21E-04	5.72E-04	5.72E-04	6.22E-04	6.22E-04	6.22E-04	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	1,3-Dichloropropene	1.01E-03	1.01E-03	1.01E-03	1.12E-03	1.12E-03	1.23E-03	1.23E-03	1.23E-03	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	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	3.23E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Bon Homme County	46009	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	4.06E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Bon Homme County	46009	R	Ethylene Oxide	1.40E-05	1.40E-05	1.40E-05	2.29E-05	2.29E-05	3.18E-05	3.18E-05	3.18E-05	0.00E+00	2.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Formaldehyde	3.38E-01	3.38E-01	3.38E-01	3.97E-01	3.97E-01	4.57E-01	4.57E-01	4.57E-01	0.00E+00	1.13E-01	7.80E-03	2.68E-02	2.50E-01	0.00E+00
South Dakota	Bon Homme County	46009	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	1.10E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Bon Homme County	46009	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	3.29E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Bon Homme County	46009	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
South Dakota	Bon Homme County	46009	R	Hydrazine	1.66E-10	1.66E-10	1.66E-10	4.85E-09	4.85E-09	9.53E-09	9.53E-09	9.53E-09	0.00E+00	4.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Lead Compounds	1.18E-05	1.18E-05	1.18E-05	1.43E-05	1.43E-05	1.68E-05	1.68E-05	1.68E-05	0.00E+00	5.03E-06	0.00E+00	9.28E-06	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Manganese Compounds	9.71E-06	9.71E-06	9.71E-06	1.26E-05	1.26E-05	1.54E-05	1.54E-05	1.54E-05	4.76E-06	7.28E-06	2.82E-07	2.55E-07	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	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	0.00E+00	2.31E-07	1.84E-06	2.91E-06	1.50E-03	0.00E+00
South Dakota	Bon Homme County	46009	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	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01
South Dakota	Bon Homme County	46009	R	Nickel Compounds	3.53E-06	3.53E-06	3.53E-06	8.05E-06	8.05E-06	1.26E-05	1.26E-05	1.26E-05	4.46E-06	2.56E-06	6.77E-07	3.58E-07	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	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	7.91E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
South Dakota	Bon Homme County	46009	R	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	3.86E-04	3.86E-04	3.87E-04	3.87E-04	3.87E-04	0.00E+00	5.85E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
South Dakota	Bon Homme County	46009	R	Polycyclic Organic Matter	3.01E-03	3.01E-03	3.01E-03	3.17E-03	3.17E-03	3.32E-03	3.32E-03	3.32E-03	0.00E+00	2.71E-03	3.11E-04	1.49E-04	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	7-PAH	4.91E-04	4.91E-04	4.91E-04	6.90E-04	6.90E-04	8.90E-04	8.90E-04	8.90E-04	0.00E+00	6.86E-04	2.34E-06	1.52E-06	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Propylene Dichloride	1.04E-06	1.04E-06	1.04E-06	2.04E-06	2.04E-06	3.04E-06	3.04E-06	3.04E-06	0.00E+00	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Quinoline	2.11E-09	2.11E-09	2.11E-09	1.92E-08	1.92E-08	3.64E-08	3.64E-08	3.64E-08	0.00E+00	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	1,1,2,2-Tetrachloroethane	5.99E-06	5.99E-06	5.99E-06	1.66E-05	1.66E-05	2.72E-05	2.72E-05	2.72E-05	0.00E+00	1.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Bon Homme County	46009	R	Trichloroethylene	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Bon Homme County	46009	R	Vinyl Chloride	1.58E-05	1.58E-05	1.58E-05	4.15E-05	4.15E-05	6.71E-05	6.71E-05	6.71E-05	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Acetaldehyde	2.54E-02	2.54E-02	4.77E-02	4.99E-02	7.42E-02	1.13E-01	1.35E-01	1.35E-01	0.00E+00	5.11E-03	4.86E-02	2.05E-02	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Acrolein	2.47E-03	2.47E-03	3.66E-03	7.44E-03	7.95E-03	1.29E-02	1.33E-02	1.33E-02	0.00E+00	1.87E-03	4.80E-03	1.29E-03	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Acrylonitrile	2.63E-05	2.63E-05	8.38E-05	2.94E-04	6.57E-04	8.75E-04	2.01E-03	2.01E-03	0.00E+00	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Arsenic Compounds	5.19E-06	5.19E-06	6.52E-06	1.49E-05	1.81E-05	3.11E-05	3.29E-05	4.36E-11	2.88E-06	8.63E-06	6.61E-06	0.00E+00	0.00E+00	
South Dakota	Brookings County	46011	U	Benzene	5.07E-01	5.07E-01	5.22E-01	5.99E-01	6.24E-01	7.16E-01	7.77E-01	7.77E-01	6.07E-10	3.34E-02	9.25E-02	1.85E-02	4.80E-01	0.00E+00
South Dakota	Brookings County	46011	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
South Dakota	Brookings County	46011	U	Beryllium Compounds	1.58E-07	1.58E-07	2.28E-07	9.53E-07	9.60E-07	1.71E-06	1.75E-06	1.75E-06	2.80E-12	9.50E-07	0.00E+00	9.53E-09	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	1,3-Butadiene	1.13E-03	1.13E-03	2.07E-03	6.89E-03	1.07E-02	1.84E-02	2.49E-02	2.49E-02	0.00E+00	1.68E-04	8.58E-03	1.93E-03	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Cadmium Compounds	2.56E-07	2.56E-07	3.23E-07	1.46E-06	1.48E-06	2.65E-06	2.70E-06	2.70E-06	2.71E-10	1.47E-06	0.00E+00	9.43E-09	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.76E-02	4.74E-02	4.76E-02	4.76E-02	4.76E-02	0.00E+00	3.71E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
South Dakota	Brookings County	46011	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	8.70E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	Brookings County	46011	U	Chloroform	8.32E-02	8.32E-02	8.34E-02	8.59E-02	8.58E-02	8.80E-02	8.85E-02	8.85E-02	0.00E+00	2.81E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
South Dakota	Brookings County	46011	U	Chromium Compounds (includes Hexavalent)	4.17E-05	4.17E-05	8.19E-05	4.57E-04	2.20E-03	8.02E-04	9.62E-03	3.33E-10	2.19E-03	5.96E-06	2.43E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	Chromium VI	1.43E-05	1.43E-05	2.80E-05	1.56E-04	7.49E-04	2.74E-04	3.27E-03	3.27E-03	1.13E-10	7.46E-04	2.42E-06	8.28E-08	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	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
South Dakota	Brookings County	46011	U	1,4-Dichlorobenzene	5.99E-04	5.99E-04	9.69E-04	7.22E-03	7.17E-03	1.25E-02	1.46E-02	1.46E-02	0.00E+00	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	U	1,3-Dichloropropene	1.28E-03	1.28E-03	1.89E-03	1.43E-02	1.45E-02	2.54E-02	2.97E-02	2.97E-02	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brookings County	46011	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	3.55E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Brookings County	46011	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	0.00E+00	7.71E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02</

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 Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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	
South Dakota	Brookings County	46011	U	Perchloroethylene	1.41E-01	1.41E-01	1.42E-01	1.53E-01	1.49E-01	1.55E-01	1.56E-01	1.56E-01	0.00E+00	9.33E-03	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Brookings County	46011	U	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	4.08E-04	4.12E-04	4.31E-04	4.52E-04	4.52E-04	0.00E+00	3.19E-05	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Brookings County	46011	U	Polycyclic Organic Matter	2.20E-03	2.20E-03	2.78E-03	9.84E-03	1.00E-02	1.61E-02	1.92E-02	1.92E-02	2.01E-10	7.36E-03	2.07E-03	5.82E-04	0.00E+00	
South Dakota	Brookings County	46011	U	7-PAH	1.08E-04	1.08E-04	1.16E-04	2.41E-04	2.74E-04	4.00E-04	5.06E-04	5.06E-04	3.28E-12	2.56E-04	1.34E-05	4.66E-06	0.00E+00	
South Dakota	Brookings County	46011	U	Propylene Dichloride	1.53E-06	1.53E-06	4.98E-06	1.64E-05	3.90E-05	5.16E-05	1.21E-04	1.21E-04	0.00E+00	3.90E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brookings County	46011	U	Quinoline	8.54E-11	8.54E-11	4.35E-10	1.07E-09	1.33E-09	2.41E-09	2.66E-09	2.66E-09	0.00E+00	1.33E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brookings County	46011	U	1,1,2,2-Tetrachloroethane	1.34E-05	1.34E-05	4.47E-05	1.38E-04	3.50E-04	4.60E-04	1.10E-03	1.10E-03	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brookings County	46011	U	Trichloroethylene	8.13E-02	8.13E-02	8.15E-02	8.84E-02	8.61E-02	8.93E-02	8.99E-02	8.99E-02	0.00E+00	5.08E-03	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Brookings County	46011	U	Vinyl Chloride	3.33E-05	3.33E-05	1.10E-04	3.40E-04	8.63E-04	1.13E-03	2.70E-03	2.70E-03	0.00E+00	8.63E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	Acetaldehyde	2.06E-02	2.06E-02	2.71E-02	8.96E-02	9.87E-02	1.13E-01	2.11E-01	2.11E-01	0.00E+00	8.77E-03	6.11E-02	2.88E-02	0.00E+00	
South Dakota	Brown County	46013	U	Acrolein	2.71E-03	2.71E-03	3.56E-03	1.25E-02	1.22E-02	1.33E-02	2.63E-02	2.63E-02	0.00E+00	5.51E-03	4.97E-03	1.69E-03	0.00E+00	
South Dakota	Brown County	46013	U	Acrylonitrile	2.15E-06	2.15E-06	1.53E-05	8.36E-05	5.79E-04	1.25E-04	4.44E-03	4.44E-03	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	Arsenic Compounds	3.89E-06	3.89E-06	4.69E-06	2.44E-05	2.63E-05	2.71E-05	6.69E-05	6.69E-05	0.00E+00	5.04E-06	1.25E-05	8.79E-06	0.00E+00	
South Dakota	Brown County	46013	U	Benzene	4.98E-01	4.98E-01	5.08E-01	6.85E-01	7.00E-01	7.16E-01	1.03E+00	1.03E+00	0.00E+00	6.09E-02	1.28E-01	3.04E-02	4.80E-01	
South Dakota	Brown County	46013	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
South Dakota	Brown County	46013	U	Beryllium Compounds	1.89E-07	1.89E-07	2.11E-07	1.65E-06	2.25E-06	1.94E-06	8.04E-06	8.04E-06	0.00E+00	1.89E-06	0.00E+00	3.59E-07	0.00E+00	
South Dakota	Brown County	46013	U	1,3-Butadiene	1.11E-03	1.11E-03	1.23E-03	1.62E-02	1.93E-02	1.92E-02	5.30E-02	5.30E-02	0.00E+00	1.91E-03	1.37E-02	3.73E-03	0.00E+00	
South Dakota	Brown County	46013	U	Cadmium Compounds	2.43E-07	2.43E-07	3.03E-07	2.42E-06	3.15E-06	3.01E-06	1.07E-05	1.07E-05	0.00E+00	2.79E-06	0.00E+00	3.58E-07	0.00E+00	
South Dakota	Brown County	46013	U	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.75E-02	4.79E-02	4.77E-02	5.11E-02	5.11E-02	0.00E+00	8.53E-04	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Brown County	46013	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	1.37E-04	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Brown County	46013	U	Chloroform	8.31E-02	8.31E-02	8.33E-02	8.63E-02	8.70E-02	8.70E-02	9.44E-02	9.44E-02	0.00E+00	4.03E-03	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Brown County	46013	U	Chromium Compounds (includes Hexavalent)	5.75E-07	5.75E-07	1.14E-06	1.02E-05	1.25E-05	1.24E-05	3.59E-05	3.59E-05	0.00E+00	3.53E-06	8.51E-06	5.02E-07	0.00E+00	
South Dakota	Brown County	46013	U	Chromium VI	2.25E-07	2.25E-07	4.67E-07	4.35E-06	5.35E-06	5.26E-06	1.57E-05	1.57E-05	0.00E+00	1.84E-06	3.34E-06	1.71E-07	0.00E+00	
South Dakota	Brown County	46013	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
South Dakota	Brown County	46013	U	1,4-Dichlorobenzene	2.87E-04	2.87E-04	9.36E-04	9.39E-03	1.16E-02	1.18E-02	3.40E-02	3.40E-02	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	1,3-Dichloropropene	5.54E-04	5.54E-04	1.83E-03	1.91E-02	2.35E-02	2.42E-02	6.95E-02	6.95E-02	0.00E+00	2.35E-02	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	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	3.88E-07	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Brown County	46013	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.10E-02	6.15E-02	6.15E-02	0.00E+00	6.82E-05	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Brown County	46013	U	Ethylene Oxide	5.62E-06	5.62E-06	4.46E-05	3.22E-04	1.02E-03	4.33E-04	6.39E-03	6.39E-03	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	Formaldehyde	2.81E-01	2.81E-01	2.84E-01	3.70E-01	3.78E-01	3.85E-01	5.37E-01	5.37E-01	0.00E+00	2.34E-02	5.88E-02	4.59E-02	2.50E-01	
South Dakota	Brown County	46013	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.35E-05	9.34E-05	9.35E-05	9.39E-05	9.39E-05	0.00E+00	4.12E-07	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Brown County	46013	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	7.56E-08	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Brown County	46013	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
South Dakota	Brown County	46013	U	Hydrazine	9.57E-11	9.57E-11	1.10E-09	2.54E-08	4.00E-08	3.82E-08	1.97E-07	1.97E-07	0.00E+00	4.00E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	Lead Compounds	3.38E-05	3.38E-05	1.37E-04	3.36E-04	7.44E-04	6.97E-04	3.46E-03	3.46E-03	0.00E+00	1.35E-04	0.00E+00	6.09E-04	0.00E+00	
South Dakota	Brown County	46013	U	Manganese Compounds	8.88E-07	8.88E-07	1.44E-06	1.17E-05	1.45E-05	1.48E-05	4.52E-05	4.52E-05	0.00E+00	1.10E-05	2.72E-06	7.62E-07	0.00E+00	
South Dakota	Brown County	46013	U	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.52E-03	1.53E-03	1.53E-03	1.58E-03	1.58E-03	0.00E+00	6.41E-06	1.35E-05	7.63E-06	1.50E-03	
South Dakota	Brown County	46013	U	Methylene Chloride	1.51E-01	1.51E-01	1.53E-01	1.85E-01	2.01E-01	1.92E-01	3.45E-01	3.45E-01	0.00E+00	5.10E-02	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Brown County	46013	U	Nickel Compounds	1.86E-06	1.86E-06	6.44E-06	1.04E-04	9.19E-05	1.11E-04	2.84E-04	2.84E-04	0.00E+00	8.42E-05	6.46E-06	1.22E-06	0.00E+00	
South Dakota	Brown County	46013	U	Perchloroethylene	1.41E-01	1.41E-01	1.43E-01	1.58E-01	1.60E-01	1.63E-01	1.92E-01	1.92E-01	0.00E+00	1.96E-02	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Brown County	46013	U	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.83E-04	4.13E-04	4.16E-04	4.23E-04	4.70E-04	4.70E-04	0.00E+00	3.56E-05	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Brown County	46013	U	Polycyclic Organic Matter	1.36E-03	1.36E-03	2.30E-03	1.63E-02	1.73E-02	2.01E-02	4.15E-02	4.15E-02	0.00E+00	1.32E-02	2.88E-03	1.21E-03	0.00E+00	
South Dakota	Brown County	46013	U	7-PAH	1.27E-04	1.27E-04	1.34E-04	7.22E-04	6.42E-04	8.66E-04	1.30E-03	1.30E-03	0.00E+00	6.14E-04	1.97E-05	8.04E-06	0.00E+00	
South Dakota	Brown County	46013	U	Propylene Dichloride	1.12E-07	1.12E-07	9.03E-07	4.46E-06	3.45E-05	7.18E-06	2.66E-04	2.66E-04	0.00E+00	3.45E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	Quinoline	1.57E-09	1.57E-09	9.78E-09	7.75E-08	1.12E-07	1.14E-07	5.05E-07	5.05E-07	0.00E+00	1.12E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	1,1,2,2-Tetrachloroethane	6.36E-07	6.36E-07	6.68E-06	2.77E-05	2.96E-04	5.07E-05	2.35E-03	2.35E-03	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brown County	46013	U	Trichloroethylene	8.11E-02	8.11E-02	8.14E-02	8.66E-02	8.92E-02	8.75E-02	1.20E-01	1.20E-01	0.00E+00	8.23E-03	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Brown County	46013	U	Vinyl Chloride	1.62E-06	1.62E-06	1.68E-05	7.02E-05	7.32E-04	1.27E-04	5.79E-03	5.79E-03	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brule County	46015	R	Acetaldehyde	5.27E-02	5.27E-02	5.27E-02	7.23E-02	7.23E-02	9.19E-02	9.19E-02	9.19E-02	0.00E+00	4.15E-02	1.52E-02	1.56E-02	0.00E+00	
South Dakota	Brule County	46015	R	Acrolein	1.00E-02	1.00E-02	1.00E-02	2.60E-02	2.60E-02	4.20E-02	4.20E-02	4.20E-02	0.00E+00	2.40E-02	1.49E-03	5.56E-04	0.00E+00	
South Dakota	Brule County	46015	R	Acrylonitrile	6.90E-07	6.90E-07	6.90E-07	3.31E-06	3.31E-06	5.92E-06	5.92E-06	5.92E-06	0.00E+00	3.31E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brule County	46015	R	Arsenic Compounds	3.60E-06	3.60E-06	3.60E-06	6.09E-06	6.09E-06	8.57E-06	8.57E-06	8.57E-06	0.00E+00	3.34E-07	3.09E-06	2.66E-06	0.00E+00	
South Dakota	Brule County	46015	R	Benzene	5.12E-01	5.12E-01	5.12E-01	5.64E-01	5.64E-01	6.17E-01	6.17E-01	6.17E-01	0.00E+00	5.27E-02	2.39E-02	7.66E-03	4.80E-01	
South Dakota	Brule County	46015	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	
South Dakota	Brule County	46015	R	Beryllium Compounds	3.55E-08	3.55E-08	3.55E-08	1.82E-07	1.82E-07	3.28E-07	3.28E-07	3.28E-07	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Brule County	46015	R	1,3-Butadiene	2.52E-03	2.52E-03	2.52E-03	1.15E-02	1.15E-02	2.04E-02	2.04E-02	2.04E-02	0.00E+00	8.93E-03	2.01E-03	5.35E-04	0.00E+00	
South Dakota	Brule County	460																

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

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	
South Dakota	Brule County	46015	R	1,3-Dichloropropene	4.14E-04	4.14E-04	4.14E-04	1.64E-03	1.64E-03	2.87E-03	2.87E-03	2.87E-03	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brule County	46015	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Brule County	46015	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	4.57E-08	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Brule County	46015	R	Ethylene Oxide	7.24E-06	7.24E-06	7.24E-06	4.73E-05	4.73E-05	8.74E-05	8.74E-05	8.74E-05	0.00E+00	4.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brule County	46015	R	Formaldehyde	3.35E-01	3.35E-01	3.35E-01	4.05E-01	4.05E-01	4.75E-01	4.75E-01	4.75E-01	0.00E+00	1.23E-01	1.20E-02	1.96E-02	2.50E-01	0.00E+00
South Dakota	Brule County	46015	R	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	1.59E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00
South Dakota	Brule County	46015	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	5.93E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	Brule County	46015	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
South Dakota	Brule County	46015	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
South Dakota	Brule County	46015	R	Lead Compounds	1.96E-06	1.96E-06	1.96E-06	1.28E-05	1.28E-05	2.37E-05	2.37E-05	2.37E-05	0.00E+00	1.27E-05	0.00E+00	1.21E-07	0.00E+00	0.00E+00
South Dakota	Brule County	46015	R	Manganese Compounds	5.80E-07	5.80E-07	5.80E-07	1.53E-06	1.53E-06	2.47E-06	2.47E-06	2.47E-06	0.00E+00	7.84E-07	5.34E-07	2.08E-07	0.00E+00	0.00E+00
South Dakota	Brule County	46015	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	0.00E+00	2.83E-07	3.66E-06	2.27E-06	1.50E-03	0.00E+00
South Dakota	Brule County	46015	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.54E-01	1.54E-01	1.57E-01	1.57E-01	1.57E-01	0.00E+00	3.65E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Brule County	46015	R	Nickel Compounds	1.12E-06	1.12E-06	1.12E-06	3.12E-06	3.12E-06	5.12E-06	5.12E-06	5.12E-06	0.00E+00	1.52E-06	1.30E-06	2.99E-07	0.00E+00	0.00E+00
South Dakota	Brule County	46015	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.43E-01	1.43E-01	1.46E-01	1.46E-01	1.46E-01	0.00E+00	3.40E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	Brule County	46015	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.91E-04	3.91E-04	3.98E-04	3.98E-04	3.98E-04	0.00E+00	1.05E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	Brule County	46015	R	Polycyclic Organic Matter	1.57E-03	1.57E-03	1.57E-03	4.51E-03	4.51E-03	7.46E-03	7.46E-03	7.46E-03	0.00E+00	3.82E-03	5.83E-04	1.15E-04	0.00E+00	0.00E+00
South Dakota	Brule County	46015	R	7-PAH	3.50E-04	3.50E-04	3.50E-04	1.09E-03	1.09E-03	1.84E-03	1.84E-03	1.84E-03	0.00E+00	1.09E-03	4.68E-06	1.58E-06	0.00E+00	0.00E+00
South Dakota	Brule County	46015	R	Propylene Dichloride	2.05E-08	2.05E-08	2.05E-08	9.84E-08	9.84E-08	1.76E-07	1.76E-07	1.76E-07	0.00E+00	9.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brule County	46015	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
South Dakota	Brule County	46015	R	1,1,2,2-Tetrachloroethane	3.21E-09	3.21E-09	3.21E-09	1.54E-08	1.54E-08	2.76E-08	2.76E-08	2.76E-08	0.00E+00	1.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Brule County	46015	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.15E-02	8.15E-02	8.19E-02	8.19E-02	8.19E-02	0.00E+00	4.73E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00
South Dakota	Brule County	46015	R	Vinyl Chloride	1.19E-08	1.19E-08	1.19E-08	5.69E-08	5.69E-08	1.02E-07	1.02E-07	1.02E-07	0.00E+00	5.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Acetaldehyde	4.08E-02	4.08E-02	4.08E-02	5.18E-02	5.18E-02	6.28E-02	6.28E-02	6.28E-02	0.00E+00	3.50E-02	4.20E-03	1.26E-02	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Acrolein	1.47E-02	1.47E-02	1.47E-02	2.07E-02	2.07E-02	2.68E-02	2.68E-02	2.68E-02	0.00E+00	1.97E-02	5.78E-04	4.10E-04	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Acrylonitrile	6.98E-07	6.98E-07	6.98E-07	9.72E-07	9.72E-07	1.25E-06	1.25E-06	1.25E-06	0.00E+00	9.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Arsenic Compounds	2.14E-06	2.14E-06	2.14E-06	2.23E-06	2.23E-06	2.32E-06	2.32E-06	2.32E-06	0.00E+00	4.12E-08	6.17E-07	1.57E-06	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Benzene	5.12E-01	5.12E-01	5.12E-01	5.26E-01	5.26E-01	5.41E-01	5.41E-01	5.41E-01	0.00E+00	3.61E-02	5.46E-03	4.89E-03	4.80E-01	0.00E+00
South Dakota	Buffalo County	46017	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
South Dakota	Buffalo County	46017	R	Beryllium Compounds	1.49E-08	1.49E-08	1.49E-08	2.64E-08	2.64E-08	3.80E-08	3.80E-08	3.80E-08	0.00E+00	2.61E-08	0.00E+00	3.20E-10	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	1,3-Butadiene	3.80E-03	3.80E-03	3.80E-03	5.34E-03	5.34E-03	6.88E-03	6.88E-03	6.88E-03	0.00E+00	4.88E-03	2.21E-04	2.40E-04	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Cadmium Compounds	2.53E-08	2.53E-08	2.53E-08	4.38E-08	4.38E-08	6.23E-08	6.23E-08	6.23E-08	0.00E+00	4.35E-08	0.00E+00	3.17E-10	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	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	7.11E-06	0.00E+00	0.00E+00	4.70E-02	0.00E+00
South Dakota	Buffalo County	46017	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	2.79E-06	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	Buffalo County	46017	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	1.58E-05	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Buffalo County	46017	R	Chromium Compounds (includes Hexavalent)	2.58E-07	2.58E-07	2.58E-07	4.38E-07	4.38E-07	6.18E-07	6.18E-07	6.18E-07	0.00E+00	3.19E-08	3.66E-07	3.98E-08	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Chromium VI	1.05E-07	1.05E-07	1.05E-07	1.76E-07	1.76E-07	2.47E-07	2.47E-07	2.47E-07	0.00E+00	1.33E-08	1.49E-07	1.35E-08	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	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
South Dakota	Buffalo County	46017	R	1,4-Dichlorobenzene	1.10E-04	1.10E-04	1.10E-04	1.88E-04	1.88E-04	2.67E-04	2.67E-04	2.67E-04	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	1,3-Dichloropropene	2.07E-04	2.07E-04	2.07E-04	3.67E-04	3.67E-04	5.27E-04	5.27E-04	5.27E-04	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	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	1.91E-10	0.00E+00	0.00E+00	7.70E-03	0.00E+00
South Dakota	Buffalo County	46017	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	5.56E-08	0.00E+00	0.00E+00	6.10E-02	0.00E+00
South Dakota	Buffalo County	46017	R	Ethylene Oxide	1.60E-06	1.60E-06	1.60E-06	2.34E-06	2.34E-06	3.08E-06	3.08E-06	3.08E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Formaldehyde	3.37E-01	3.37E-01	3.37E-01	3.65E-01	3.65E-01	3.93E-01	3.93E-01	3.93E-01	0.00E+00	9.71E-02	2.87E-03	1.50E-02	2.50E-01	0.00E+00
South Dakota	Buffalo County	46017	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	6.18E-08	0.00E+00	0.00E+00	9.30E-05	0.00E+00
South Dakota	Buffalo County	46017	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	1.13E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	Buffalo County	46017	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
South Dakota	Buffalo County	46017	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	1.01E-15	1.01E-15	2.01E-15	2.01E-15	2.01E-15	0.00E+00	1.01E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Lead Compounds	8.34E-07	8.34E-07	8.34E-07	3.51E-06	3.51E-06	6.18E-06	6.18E-06	6.18E-06	0.00E+00	6.85E-07	0.00E+00	2.82E-06	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	R	Manganese Compounds	2.77E-07	2.77E-07	2.77E-07	3.81E-07	3.81E-07	4.86E-07	4.86E-07	4.86E-07	0.00E+00	1.64E-07	9.54E-08	1.22E-07	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017	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	0.00E+00	4.37E-08	7.59E-07	1.37E-06	1.50E-03	0.00E+00
South Dakota	Buffalo County	46017	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	0.00E+00	6.91E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Buffalo County	46017	R	Nickel Compounds	4.64E-07	4.64E-07	4.64E-07	5.90E-07	5.90E-07	7.17E-07	7.17E-07	7.17E-07	0.00E+00	1.67E-07	2.57E-07	1.67E-07	0.00E+00	0.00E+00
South Dakota	Buffalo County	46017																

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

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		
South Dakota	Butte County	46019	U	Acrylonitrile	1.45E-05	1.45E-05	1.45E-05	1.12E-04	1.12E-04	2.09E-04	2.09E-04	2.09E-04	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Arsenic Compounds	3.69E-06	3.69E-06	3.69E-06	1.40E-05	1.40E-05	2.43E-05	2.43E-05	2.43E-05	1.18E-05	2.27E-07	1.25E-06	6.69E-07	4.80E-01	0.00E+00	
South Dakota	Butte County	46019	U	Benzene	5.46E-01	5.46E-01	5.46E-01	6.09E-01	6.09E-01	6.73E-01	6.73E-01	6.73E-01	5.87E-06	1.14E-01	1.24E-02	2.63E-03	4.80E-01	0.00E+00	
South Dakota	Butte County	46019	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	
South Dakota	Butte County	46019	U	Beryllium Compounds	1.71E-07	1.71E-07	1.71E-07	1.78E-07	1.78E-07	1.84E-07	1.84E-07	1.84E-07	8.02E-08	9.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	1,3-Butadiene	8.65E-03	8.65E-03	8.65E-03	2.23E-02	2.23E-02	3.59E-02	3.59E-02	3.59E-02	0.00E+00	2.13E-02	7.66E-04	1.96E-04	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Cadmium Compounds	2.91E-07	2.91E-07	2.91E-07	3.58E-07	3.58E-07	4.25E-07	4.25E-07	4.25E-07	1.99E-07	1.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	5.87E-07	5.80E-05	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
South Dakota	Butte County	46019	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	8.80E-01	0.00E+00	1.28E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Butte County	46019	U	Chloroform	8.32E-02	8.32E-02	8.32E-02	8.40E-02	8.40E-02	8.47E-02	8.47E-02	8.47E-02	8.47E-02	0.00E+00	9.73E-04	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Butte County	46019	U	Chromium Compounds (includes Hexavalent)	2.23E-06	2.23E-06	2.23E-06	2.25E-06	2.25E-06	2.28E-06	2.28E-06	2.28E-06	1.27E-06	2.09E-07	7.48E-07	2.64E-08	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Chromium VI	8.72E-07	8.72E-07	8.72E-07	1.03E-06	1.03E-06	1.19E-06	1.19E-06	1.19E-06	6.25E-07	1.04E-07	2.92E-07	8.97E-09	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	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	
South Dakota	Butte County	46019	U	1,4-Dichlorobenzene	2.55E-04	2.55E-04	2.55E-04	9.58E-04	9.58E-04	1.66E-03	1.66E-03	1.66E-03	0.00E+00	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	1,3-Dichloropropene	4.81E-04	4.81E-04	4.81E-04	1.90E-03	1.90E-03	3.31E-03	3.31E-03	3.31E-03	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	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	6.17E-08	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
South Dakota	Butte County	46019	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	1.81E-07	1.32E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
South Dakota	Butte County	46019	U	Ethylene Oxide	1.75E-05	1.75E-05	1.75E-05	1.92E-05	1.92E-05	2.10E-05	2.10E-05	2.10E-05	0.00E+00	1.92E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Formaldehyde	4.33E-01	4.33E-01	4.33E-01	5.50E-01	5.50E-01	6.67E-01	6.67E-01	6.67E-01	1.35E-06	2.88E-01	6.74E-03	4.45E-03	2.50E-01	0.00E+00	
South Dakota	Butte County	46019	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	6.17E-08	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
South Dakota	Butte County	46019	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	6.35E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
South Dakota	Butte County	46019	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	
South Dakota	Butte County	46019	U	Hydrazine	5.86E-11	5.86E-11	5.86E-11	7.08E-11	7.08E-11	8.30E-11	8.30E-11	8.30E-11	0.00E+00	7.08E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Lead Compounds	2.38E-05	2.38E-05	2.38E-05	6.21E-05	6.21E-05	1.00E-04	1.00E-04	1.00E-04	1.63E-06	7.00E-06	0.00E+00	5.35E-05	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Manganese Compounds	6.12E-06	6.12E-06	6.12E-06	8.04E-06	8.04E-06	9.96E-06	9.96E-06	9.96E-06	1.93E-06	5.85E-06	2.06E-07	5.45E-08	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	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	3.48E-07	3.19E-07	1.45E-06	5.63E-07	1.50E-03	0.00E+00	
South Dakota	Butte County	46019	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.54E-01	1.54E-01	1.57E-01	1.57E-01	1.57E-01	1.27E-06	4.22E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
South Dakota	Butte County	46019	U	Nickel Compounds	2.72E-06	2.72E-06	2.72E-06	3.98E-06	3.98E-06	5.23E-06	5.23E-06	5.23E-06	1.05E-06	2.27E-06	5.76E-07	8.07E-08	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	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	1.89E-07	1.25E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
South Dakota	Butte County	46019	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.85E-04	3.85E-04	3.88E-04	3.88E-04	3.88E-04	0.00E+00	4.93E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
South Dakota	Butte County	46019	U	Polycyclic Organic Matter	3.33E-03	3.33E-03	3.33E-03	6.87E-03	6.87E-03	1.04E-02	1.04E-02	1.04E-02	7.80E-08	6.55E-03	2.62E-04	5.62E-05	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	7-PAH	1.19E-03	1.19E-03	1.19E-03	2.25E-03	2.25E-03	3.30E-03	3.30E-03	3.30E-03	1.59E-09	2.24E-03	1.85E-06	4.99E-07	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Propylene Dichloride	8.56E-07	8.56E-07	8.56E-07	6.67E-06	6.67E-06	1.25E-05	1.25E-05	1.25E-05	0.00E+00	6.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Quinoline	1.35E-09	1.35E-09	1.35E-09	1.37E-09	1.37E-09	1.39E-09	1.39E-09	1.39E-09	0.00E+00	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	1,1,2,2-Tetrachloroethane	7.43E-06	7.43E-06	7.43E-06	6.00E-05	6.00E-05	1.13E-04	1.13E-04	1.13E-04	0.00E+00	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Butte County	46019	U	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.14E-02	8.14E-02	8.17E-02	8.17E-02	8.17E-02	0.00E+00	4.00E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
South Dakota	Butte County	46019	U	Vinyl Chloride	1.84E-05	1.84E-05	1.84E-05	1.48E-04	1.48E-04	2.77E-04	2.77E-04	2.77E-04	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Acetaldehyde	2.37E+00	2.37E+00	2.37E+00	2.37E+00	2.37E+00	2.37E+00	2.37E+00	2.37E+00	0.00E+00	2.35E+00	1.84E-03	1.49E-02	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Acrolein	1.17E-02	1.17E-02	1.17E-02	1.17E-02	1.17E-02	1.17E-02	1.17E-02	1.17E-02	0.00E+00	1.12E-02	1.55E-04	3.05E-04	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Acrylonitrile	4.78E-07	4.78E-07	4.78E-07	4.78E-07	4.78E-07	4.78E-07	4.78E-07	4.78E-07	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Arsenic Compounds	1.57E-06	1.57E-06	1.57E-06	1.57E-06	1.57E-06	1.57E-06	1.57E-06	1.57E-06	0.00E+00	1.96E-08	2.25E-07	1.33E-06	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Benzene	5.09E-01	5.09E-01	5.09E-01	5.09E-01	5.09E-01	5.09E-01	5.09E-01	5.09E-01	0.00E+00	2.25E-02	2.06E-03	4.14E-03	4.80E-01	0.00E+00	
South Dakota	Campbell County	46021	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	
South Dakota	Campbell County	46021	R	Beryllium Compounds	2.20E-08	2.20E-08	2.20E-08	2.20E-08	2.20E-08	2.20E-08	2.20E-08	2.20E-08	0.00E+00	1.21E-08	0.00E+00	9.94E-09	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	1,3-Butadiene	4.59E-03	4.59E-03	4.59E-03	4.59E-03	4.59E-03	4.59E-03	4.59E-03	4.59E-03	0.00E+00	4.20E-03	1.50E-04	2.41E-04	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Cadmium Compounds	9.23E-08	9.23E-08	9.23E-08	9.23E-08	9.23E-08	9.23E-08	9.23E-08	9.23E-08	0.00E+00	8.24E-08	0.00E+00	9.85E-09	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	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	3.17E-06	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
South Dakota	Campbell County	46021	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	1.33E-06	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
South Dakota	Campbell County	46021	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	2.70E-05	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
South Dakota	Campbell County	46021	R	Chromium Compounds (includes Hexavalent)	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	0.00E+00	1.48E-08	1.20E-07	3.45E-08	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	R	Chromium VI	6.44E-08	6.44E-08	6.44E-08	6.44E-08	6.44E-08	6.44E-08	6.44E-08	6.44E-08	0.00E+00	6.17E-09	4.64E-08	1.17E-08	0.00E+00	0.00E+00	
South Dakota	Campbell County	46021	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	
South Dakota	Campbell County	46021	R	1,4-Dichlorobenzene	8.83E-05	8.83E-05	8.83E-05	8.83E-05	8.83E-05	8.83E-05	8.83E-05	8.83E-05	0.00E+00	8.83E-05	0.00E+00	0.00E			

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

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	
South Dakota	Campbell County	46021	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	1.50E-03	0.00E+00	6.28E-07	2.68E-07	1.15E-06	1.50E-03
South Dakota	Campbell County	46021	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.50E-01
South Dakota	Campbell County	46021	R	Nickel Compounds	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	3.43E-07	0.00E+00	1.12E-07	8.05E-08	1.51E-07	0.00E+00
South Dakota	Campbell County	46021	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	1.40E-01	0.00E+00	7.32E-05	0.00E+00	0.00E+00	1.40E-01
South Dakota	Campbell County	46021	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	9.03E-07	0.00E+00	0.00E+00	3.80E-04
South Dakota	Campbell County	46021	R	Polycyclic Organic Matter	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	0.00E+00	1.36E-03	4.63E-05	5.40E-05	0.00E+00
South Dakota	Campbell County	46021	R	7-PAH	4.60E-04	4.60E-04	4.60E-04	4.60E-04	4.60E-04	4.60E-04	4.60E-04	4.60E-04	4.60E-04	0.00E+00	4.58E-04	2.58E-07	1.01E-06	0.00E+00
South Dakota	Campbell County	46021	R	Propylene Dichloride	2.03E-08	2.03E-08	2.03E-08	2.03E-08	2.03E-08	2.03E-08	2.03E-08	2.03E-08	2.03E-08	0.00E+00	2.03E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Campbell County	46021	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
South Dakota	Campbell County	46021	R	1,1,2,2-Tetrachloroethane	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Campbell County	46021	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	0.00E+00	2.27E-05	0.00E+00	0.00E+00	8.10E-02
South Dakota	Campbell County	46021	R	Vinyl Chloride	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	2.74E-07	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Charles Mix County	46023	R	Acetaldehyde	6.93E-02	6.93E-02	6.93E-02	1.64E-01	1.44E-01	1.98E-01	1.98E-01	1.98E-01	1.98E-01	0.00E+00	1.13E-01	8.41E-03	2.20E-02	0.00E+00
South Dakota	Charles Mix County	46023	R	Acrolein	1.93E-02	1.93E-02	1.93E-02	1.95E-02	2.20E-02	2.72E-02	2.72E-02	2.72E-02	0.00E+00	2.07E-02	8.20E-04	5.20E-04	0.00E+00	
South Dakota	Charles Mix County	46023	R	Acrylonitrile	1.70E-06	1.70E-06	1.70E-06	3.53E-06	2.94E-06	3.61E-06	3.61E-06	3.61E-06	0.00E+00	2.94E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	R	Arsenic Compounds	3.85E-06	3.85E-06	3.85E-06	4.06E-06	4.31E-06	5.02E-06	5.02E-06	5.02E-06	0.00E+00	1.04E-07	1.15E-06	3.05E-06	0.00E+00	
South Dakota	Charles Mix County	46023	R	Benzene	5.30E-01	5.30E-01	5.30E-01	5.30E-01	5.34E-01	5.43E-01	5.43E-01	5.43E-01	0.00E+00	3.92E-02	9.57E-03	5.69E-03	4.80E-01	
South Dakota	Charles Mix County	46023	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
South Dakota	Charles Mix County	46023	R	Beryllium Compounds	4.77E-08	4.77E-08	4.77E-08	5.76E-08	5.96E-08	7.34E-08	7.34E-08	7.34E-08	0.00E+00	5.87E-08	0.00E+00	8.92E-10	0.00E+00	
South Dakota	Charles Mix County	46023	R	1,3-Butadiene	3.43E-03	3.43E-03	3.43E-03	4.83E-03	4.98E-03	6.70E-03	6.70E-03	6.70E-03	0.00E+00	4.08E-03	5.92E-04	3.13E-04	0.00E+00	
South Dakota	Charles Mix County	46023	R	Cadmium Compounds	9.09E-08	9.09E-08	9.09E-08	1.04E-07	1.09E-07	1.33E-07	1.33E-07	1.33E-07	0.00E+00	1.09E-07	0.00E+00	8.82E-10	0.00E+00	
South Dakota	Charles Mix County	46023	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	1.66E-05	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Charles Mix County	46023	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	5.40E-06	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Charles Mix County	46023	R	Chloroform	8.33E-02	8.33E-02	8.33E-02	8.33E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	0.00E+00	3.50E-04	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Charles Mix County	46023	R	Chromium Compounds (includes Hexavalent)	7.08E-07	7.08E-07	7.08E-07	7.37E-07	7.91E-07	9.28E-07	9.28E-07	9.28E-07	0.00E+00	8.22E-08	6.62E-07	4.68E-08	0.00E+00	
South Dakota	Charles Mix County	46023	R	Chromium VI	2.81E-07	2.81E-07	2.81E-07	2.97E-07	3.16E-07	3.71E-07	3.71E-07	3.71E-07	0.00E+00	3.84E-08	2.62E-07	1.59E-08	0.00E+00	
South Dakota	Charles Mix County	46023	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
South Dakota	Charles Mix County	46023	R	1,4-Dichlorobenzene	2.83E-04	2.83E-04	2.83E-04	3.60E-04	3.83E-04	5.05E-04	5.05E-04	5.05E-04	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	R	1,3-Dichloropropene	5.53E-04	5.53E-04	5.53E-04	7.12E-04	7.54E-04	9.96E-04	9.96E-04	9.96E-04	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	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	1.67E-09	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Charles Mix County	46023	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	2.42E-07	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Charles Mix County	46023	R	Ethylene Oxide	1.18E-05	1.18E-05	1.18E-05	1.66E-05	1.95E-05	3.00E-05	3.00E-05	3.00E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	R	Formaldehyde	3.88E-01	3.88E-01	3.88E-01	4.79E-01	4.64E-01	5.25E-01	5.25E-01	5.25E-01	0.00E+00	1.80E-01	5.71E-03	2.83E-02	2.50E-01	
South Dakota	Charles Mix County	46023	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	9.45E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Charles Mix County	46023	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	2.21E-09	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Charles Mix County	46023	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
South Dakota	Charles Mix County	46023	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-11	1.04E-10	1.04E-10	1.04E-10	0.00E+00	3.46E-11	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	R	Lead Compounds	2.08E-06	2.08E-06	2.08E-06	2.93E-06	2.83E-06	3.50E-06	3.50E-06	3.50E-06	0.00E+00	2.74E-06	0.00E+00	8.89E-08	0.00E+00	
South Dakota	Charles Mix County	46023	R	Manganese Compounds	7.20E-07	7.20E-07	7.20E-07	1.72E-06	1.60E-06	2.36E-06	2.36E-06	2.36E-06	0.00E+00	1.18E-06	1.96E-07	2.29E-07	0.00E+00	
South Dakota	Charles Mix County	46023	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	0.00E+00	1.35E-07	1.36E-06	2.65E-06	1.50E-03	
South Dakota	Charles Mix County	46023	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	1.52E-01	0.00E+00	1.42E-03	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Charles Mix County	46023	R	Nickel Compounds	1.48E-06	1.48E-06	1.48E-06	1.56E-06	1.68E-06	2.01E-06	2.01E-06	2.01E-06	0.00E+00	8.63E-07	5.03E-07	3.18E-07	0.00E+00	
South Dakota	Charles Mix County	46023	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	6.61E-04	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Charles Mix County	46023	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.85E-04	3.84E-04	3.85E-04	3.85E-04	3.85E-04	0.00E+00	4.17E-06	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Charles Mix County	46023	R	Polycyclic Organic Matter	2.73E-03	2.73E-03	2.73E-03	3.15E-03	3.23E-03	3.82E-03	3.82E-03	3.82E-03	0.00E+00	2.89E-03	2.28E-04	1.14E-04	0.00E+00	
South Dakota	Charles Mix County	46023	R	7-PAH	6.93E-04	6.93E-04	6.93E-04	7.34E-04	8.22E-04	1.04E-03	1.04E-03	1.04E-03	0.00E+00	8.19E-04	1.72E-06	1.24E-06	0.00E+00	
South Dakota	Charles Mix County	46023	R	Propylene Dichloride	7.16E-08	7.16E-08	7.16E-08	1.78E-07	1.46E-07	1.89E-07	1.89E-07	1.89E-07	0.00E+00	1.46E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-10	2.43E-09	2.43E-09	2.43E-09	0.00E+00	8.09E-10	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	R	1,1,2,2-Tetrachloroethane	3.85E-07	3.85E-07	3.85E-07	1.10E-06	9.33E-07	1.32E-06	1.32E-06	1.32E-06	0.00E+00	9.33E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Charles Mix County	46023	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	1.23E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Charles Mix County	46023	R	Vinyl Chloride	9.54E-07	9.54E-07	9.54E-07	2.80E-06	2.33E-06	3.24E-06	3.24E-06	3.24E-06	0.00E+00	2.33E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Clark County	46025	R	Acetaldehyde	3.47E-02	3.47E-02	3.47E-02	3.78E-02	3.78E-02	4.10E-02	4.10E-02	4.10E-02	0.00E+00	7.17E-03	5.64E-03	2.50E-02	0.00E+00	
South Dakota	Clark County	46025	R	Acrolein	2.98E-03	2.98E-03	2.98E-03	3.21E-03	3.21E-03	3.44E-03	3.44E-03	3.44E-03	0.00E+00	2.16E-03	5.60E-04	4.85E-04	0.00E+00	
South Dakota	Clark County	46025	R	Acrylonitrile	6.67E-07	6.67E-07	6.67E-07	1.84E-06	1.84E-06	3.02E-06	3.02E-06	3.02E-06	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Clark County	46025	R	Arsenic Compounds	3.82E-06	3.82E-06	3.82E-06	3.83E-06	3.83E-06	3.84E-06	3.84E-06	3.84E-06	0.00E+00	8.26E-08	7.04E-07	3.04E-06	0.00E+00	
South Dakota	Clark County	46025	R	Benzene	4.99E-01	4.99E-01	4.99E-01	4.99E-										

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

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	
South Dakota	Clark County	46025	R	Chromium VI	1.88E-07	1.88E-07	1.88E-07	2.19E-07	2.19E-07	2.50E-07	2.50E-07	2.50E-07	0.00E+00	4.86E-08	1.57E-07	1.32E-08	0.00E+00	
South Dakota	Clark County	46025	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
South Dakota	Clark County	46025	R	1,4-Dichlorobenzene	2.34E-04	2.34E-04	2.34E-04	2.66E-04	2.66E-04	2.98E-04	2.98E-04	2.98E-04	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clark County	46025	R	1,3-Dichloropropene	4.49E-04	4.49E-04	4.49E-04	5.14E-04	5.14E-04	5.79E-04	5.79E-04	5.79E-04	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clark County	46025	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	0.00E+00	5.20E-10	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Clark County	46025	R	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	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Clark County	46025	R	Ethylene Oxide	1.39E-06	1.39E-06	1.39E-06	1.42E-06	1.42E-06	1.45E-06	1.45E-06	1.45E-06	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clark County	46025	R	Formaldehyde	2.95E-01	2.95E-01	2.95E-01	3.01E-01	3.01E-01	3.06E-01	3.06E-01	3.06E-01	0.00E+00	1.40E-02	3.70E-03	3.30E-02	2.50E-01	0.00E+00
South Dakota	Clark County	46025	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	1.23E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Clark County	46025	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	1.64E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	Clark County	46025	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
South Dakota	Clark County	46025	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
South Dakota	Clark County	46025	R	Lead Compounds	2.92E-06	2.92E-06	2.92E-06	5.49E-06	5.49E-06	8.07E-06	8.07E-06	8.07E-06	0.00E+00	2.95E-06	0.00E+00	2.55E-06	0.00E+00	0.00E+00
South Dakota	Clark County	46025	R	Manganese Compounds	5.40E-06	5.40E-06	5.40E-06	9.42E-06	9.42E-06	1.34E-05	1.34E-05	1.34E-05	0.00E+00	9.08E-06	1.21E-07	2.26E-07	0.00E+00	0.00E+00
South Dakota	Clark County	46025	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	0.00E+00	7.14E-08	8.34E-07	2.70E-06	1.50E-03	0.00E+00
South Dakota	Clark County	46025	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	1.52E-01	0.00E+00	1.20E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Clark County	46025	R	Nickel Compounds	1.41E-06	1.41E-06	1.41E-06	1.80E-06	1.80E-06	2.18E-06	2.18E-06	2.18E-06	0.00E+00	1.86E-06	3.07E-07	3.07E-07	0.00E+00	0.00E+00
South Dakota	Clark County	46025	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	0.00E+00	7.86E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	Clark County	46025	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	0.00E+00	2.79E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	Clark County	46025	R	Polycyclic Organic Matter	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	0.00E+00	1.12E-03	1.44E-04	1.11E-04	0.00E+00	0.00E+00
South Dakota	Clark County	46025	R	7-PAH	1.13E-04	1.13E-04	1.13E-04	1.23E-04	1.23E-04	1.33E-04	1.33E-04	1.33E-04	0.00E+00	1.21E-04	1.04E-06	9.32E-07	0.00E+00	0.00E+00
South Dakota	Clark County	46025	R	Propylene Dichloride	1.99E-08	1.99E-08	1.99E-08	8.34E-08	8.34E-08	1.47E-07	1.47E-07	1.47E-07	0.00E+00	8.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clark County	46025	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
South Dakota	Clark County	46025	R	1,1,2,2-Tetrachloroethane	3.11E-09	3.11E-09	3.11E-09	5.19E-07	5.19E-07	1.04E-06	1.04E-06	1.04E-06	0.00E+00	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clark County	46025	R	Trichloroethylene	8.13E-02	8.13E-02	8.13E-02	8.15E-02	8.15E-02	8.17E-02	8.17E-02	8.17E-02	0.00E+00	5.06E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00
South Dakota	Clark County	46025	R	Vinyl Chloride	1.15E-08	1.15E-08	1.15E-08	1.28E-06	1.28E-06	2.56E-06	2.56E-06	2.56E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Acetaldehyde	5.18E-02	5.18E-02	5.18E-02	6.09E-02	6.09E-02	1.58E-01	1.58E-01	1.58E-01	0.00E+00	1.50E-02	5.74E-02	1.78E-02	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Acrolein	5.63E-03	5.63E-03	5.63E-03	9.36E-03	9.36E-03	1.06E-02	1.68E-02	1.68E-02	0.00E+00	5.14E-03	4.55E-03	8.88E-04	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Acrylonitrile	4.40E-06	4.40E-06	4.40E-06	2.82E-05	4.45E-05	1.01E-04	1.01E-04	1.01E-04	0.00E+00	4.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Arsenic Compounds	6.27E-06	6.27E-06	6.27E-06	1.04E-05	1.68E-05	3.37E-05	3.37E-05	3.37E-05	0.00E+00	2.08E-06	9.60E-06	5.11E-06	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Benzene	5.12E-01	5.12E-01	5.12E-01	5.70E-01	6.38E-01	8.30E-01	8.30E-01	8.30E-01	0.00E+00	4.28E-02	1.04E-01	1.07E-02	4.80E-01	0.00E+00
South Dakota	Clay County	46027	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
South Dakota	Clay County	46027	U	Beryllium Compounds	2.05E-07	2.05E-07	2.05E-07	3.84E-07	9.44E-07	2.24E-06	2.24E-06	2.24E-06	0.00E+00	9.00E-07	0.00E+00	4.47E-08	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	1,3-Butadiene	1.30E-03	1.30E-03	1.30E-03	5.43E-03	1.19E-02	2.91E-02	2.91E-02	2.91E-02	0.00E+00	4.48E-04	1.05E-02	9.92E-04	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Cadmium Compounds	2.95E-07	2.95E-07	2.95E-07	6.19E-07	1.44E-06	3.41E-06	3.41E-06	3.41E-06	0.00E+00	1.40E-06	0.00E+00	4.45E-08	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.74E-02	4.80E-02	4.80E-02	4.80E-02	0.00E+00	3.75E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
South Dakota	Clay County	46027	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	1.07E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	Clay County	46027	U	Chloroform	8.34E-02	8.34E-02	8.34E-02	8.58E-02	8.93E-02	9.87E-02	9.87E-02	9.87E-02	0.00E+00	6.30E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Clay County	46027	U	Chromium Compounds (includes Hexavalent)	3.75E-05	3.75E-05	3.75E-05	5.36E-05	4.99E-05	5.87E-05	5.87E-05	5.87E-05	4.21E-05	1.46E-06	6.27E-06	1.28E-07	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Chromium VI	2.11E-05	2.11E-05	2.11E-05	2.80E-05	2.85E-05	3.65E-05	3.65E-05	3.65E-05	2.54E-05	7.54E-07	2.36E-06	4.36E-08	0.00E+00	0.00E+00
South Dakota	Clay County	46027	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
South Dakota	Clay County	46027	U	1,4-Dichlorobenzene	6.72E-04	6.72E-04	6.72E-04	4.09E-03	8.94E-03	2.21E-02	2.21E-02	2.21E-02	0.00E+00	8.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	1,3-Dichloropropene	1.29E-03	1.29E-03	1.29E-03	8.22E-03	1.82E-02	4.51E-02	4.51E-02	4.51E-02	0.00E+00	1.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clay County	46027	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	6.86E-09	0.00E+00	0.00E+00	7.70E-03	0.00E+00
South Dakota	Clay County	46027	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	0.00E+00	2.16E-06	0.00E+00	0.00E+00	6.10E-02	0.00E+00
South Dakota	Clay County	46027	U	Ethylene Oxide	1.26E-05	1.26E-05	1.26E-05	6.43E-05	2.50E-04	6.73E-04	6.73E-04	6.73E-04	0.00E+00	2.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Formaldehyde	3.19E-01	3.19E-01	3.19E-01	3.26E-01	3.57E-01	4.25E-01	4.25E-01	4.25E-01	0.00E+00	2.65E-02	5.19E-02	2.84E-02	2.50E-01	0.00E+00
South Dakota	Clay County	46027	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.35E-05	9.35E-05	9.35E-05	0.00E+00	2.79E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00
South Dakota	Clay County	46027	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	5.95E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	Clay County	46027	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
South Dakota	Clay County	46027	U	Hydrazine	2.04E-11	2.04E-11	2.04E-11	2.11E-11	3.18E-11	5.40E-11	5.40E-11	5.40E-11	0.00E+00	3.18E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Lead Compounds	4.07E-05	4.07E-05	4.07E-05	1.11E-04	2.58E-04	6.21E-04	6.21E-04	6.21E-04	0.00E+00	5.80E-05	0.00E+00	2.00E-04	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U	Manganese Compounds	6.99E-05	6.99E-05	6.99E-05	1.08E-04	9.84E-05	1.17E-04	1.17E-04	1.17E-04	2.44E-05	7.17E-05	1.87E-06	3.98E-07	0.00E+00	0.00E+00
South Dakota	Clay County	46027	U															

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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		
South Dakota	Clay County	46027	U	Vinyl Chloride	3.20E-06	3.20E-06	3.20E-06	2.15E-05	1.60E-05	2.34E-05	2.34E-05	2.34E-05	0.00E+00	1.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Acetaldehyde	2.35E-02	2.35E-02	2.96E-02	5.39E-02	7.07E-02	1.13E-01	1.51E-01	1.51E-01	0.00E+00	5.75E-03	4.49E-02	2.01E-02	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Acrolein	4.47E-03	4.47E-03	5.15E-03	8.66E-03	1.07E-02	1.53E-02	2.18E-02	2.18E-02	0.00E+00	5.13E-03	4.04E-03	1.50E-03	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Acrylonitrile	6.32E-06	6.32E-06	1.23E-05	3.08E-05	4.03E-05	4.94E-05	1.12E-04	1.12E-04	0.00E+00	4.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Arsenic Compounds	4.26E-06	4.26E-06	5.21E-06	1.11E-05	1.82E-05	2.89E-05	4.85E-05	4.85E-05	0.00E+00	4.32E-06	7.48E-06	6.36E-06	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Benzene	5.08E-01	5.08E-01	5.14E-01	5.62E-01	6.46E-01	7.82E-01	9.49E-01	9.49E-01	0.00E+00	4.49E-02	7.77E-02	3.34E-02	4.80E-01	4.80E-01	
South Dakota	Codington County	46029	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
South Dakota	Codington County	46029	U	Beryllium Compounds	1.42E-07	1.42E-07	1.68E-07	5.43E-07	1.48E-06	1.84E-06	5.65E-06	5.65E-06	0.00E+00	1.42E-06	0.00E+00	6.00E-08	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	1,3-Butadiene	1.15E-03	1.15E-03	1.69E-03	7.00E-03	1.37E-02	2.35E-02	4.20E-02	4.20E-02	0.00E+00	1.46E-03	8.60E-03	3.66E-03	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Cadmium Compounds	2.40E-07	2.40E-07	2.49E-07	8.53E-07	2.43E-06	3.80E-06	8.56E-06	8.56E-06	0.00E+00	2.37E-06	0.00E+00	5.99E-08	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.73E-02	4.74E-02	4.81E-02	4.81E-02	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Codington County	46029	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	8.87E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01	8.80E-01
South Dakota	Codington County	46029	U	Chloroform	8.39E-02	8.39E-02	8.39E-02	8.69E-02	9.71E-02	1.09E-01	1.32E-01	1.32E-01	0.00E+00	1.41E-02	0.00E+00	0.00E+00	0.00E+00	8.30E-02	8.30E-02
South Dakota	Codington County	46029	U	Chromium Compounds (includes Hexavalent)	1.20E-06	1.20E-06	1.55E-06	5.92E-06	1.13E-05	1.86E-05	3.43E-05	3.43E-05	0.00E+00	5.30E-06	5.46E-06	4.88E-07	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Chromium VI	6.18E-07	6.18E-07	7.10E-07	3.46E-06	6.27E-06	1.04E-05	1.90E-05	1.90E-05	0.00E+00	3.89E-06	2.22E-06	1.66E-07	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	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
South Dakota	Codington County	46029	U	1,4-Dichlorobenzene	5.68E-04	5.68E-04	5.76E-04	2.29E-03	8.48E-03	1.56E-02	2.95E-02	2.95E-02	0.00E+00	8.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	U	1,3-Dichloropropene	1.12E-03	1.12E-03	1.13E-03	4.62E-03	1.73E-02	3.19E-02	6.03E-02	6.03E-02	0.00E+00	1.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	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	9.14E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03	7.70E-03
South Dakota	Codington County	46029	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	0.00E+00	2.26E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02	6.10E-02
South Dakota	Codington County	46029	U	Ethylene Oxide	1.33E-05	1.33E-05	1.38E-05	4.80E-05	3.85E-04	7.33E-04	1.46E-03	1.46E-03	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	U	Formaldehyde	2.84E-01	2.84E-01	2.86E-01	3.18E-01	3.43E-01	3.92E-01	4.61E-01	4.61E-01	0.00E+00	1.99E-02	4.04E-02	3.30E-02	2.50E-01	2.50E-01	2.50E-01
South Dakota	Codington County	46029	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.35E-05	9.37E-05	9.37E-05	0.00E+00	4.78E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	9.30E-05
South Dakota	Codington County	46029	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	4.78E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03	1.80E-03
South Dakota	Codington County	46029	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
South Dakota	Codington County	46029	U	Hydrazine	0.00E+00	0.00E+00	1.80E-15	1.07E-10	8.33E-11	1.21E-10	1.64E-10	1.64E-10	0.00E+00	8.33E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	U	Lead Compounds	1.40E-05	1.40E-05	1.73E-05	5.64E-05	1.06E-04	1.94E-04	2.98E-04	2.98E-04	0.00E+00	3.11E-05	0.00E+00	7.48E-05	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Manganese Compounds	4.82E-05	4.82E-05	6.56E-05	1.48E-04	4.69E-04	2.33E-04	2.17E-03	2.17E-03	0.00E+00	4.67E-04	1.76E-06	5.79E-07	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	0.00E+00	5.21E-06	7.99E-06	5.23E-06	1.50E-03	1.50E-03	1.50E-03
South Dakota	Codington County	46029	U	Methylene Chloride	1.53E-01	1.53E-01	1.54E-01	1.77E-01	2.17E-01	2.49E-01	3.91E-01	3.91E-01	0.00E+00	6.66E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01
South Dakota	Codington County	46029	U	Nickel Compounds	4.63E-06	4.63E-06	4.69E-06	2.89E-05	7.39E-05	1.46E-04	2.30E-04	2.30E-04	0.00E+00	6.88E-05	4.25E-06	9.34E-07	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Perchloroethylene	1.43E-01	1.43E-01	1.45E-01	1.52E-01	1.55E-01	1.63E-01	1.74E-01	1.74E-01	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.40E-01
South Dakota	Codington County	46029	U	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.89E-04	4.05E-04	4.29E-04	4.59E-04	4.59E-04	0.00E+00	2.49E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04	3.80E-04
South Dakota	Codington County	46029	U	Polycyclic Organic Matter	1.96E-03	1.96E-03	2.44E-03	5.19E-03	1.48E-02	3.07E-02	4.31E-02	4.31E-02	0.00E+00	1.22E-02	1.93E-03	6.85E-04	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	7-PAH	1.68E-04	1.68E-04	1.71E-04	3.29E-04	6.45E-04	1.36E-03	1.52E-03	1.52E-03	0.00E+00	6.26E-04	1.21E-05	6.95E-06	0.00E+00	0.00E+00	
South Dakota	Codington County	46029	U	Propylene Dichloride	3.62E-07	3.62E-07	6.85E-07	1.26E-06	1.63E-06	2.48E-06	3.74E-06	3.74E-06	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	U	Quinoline	0.00E+00	0.00E+00	4.21E-14	2.34E-09	1.76E-09	2.59E-09	3.27E-09	3.27E-09	0.00E+00	1.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	U	1,1,2,2-Tetrachloroethane	2.65E-06	2.65E-06	5.73E-06	6.01E-06	7.65E-06	7.37E-06	1.81E-05	1.81E-05	0.00E+00	7.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Codington County	46029	U	Trichloroethylene	8.33E-02	8.33E-02	8.44E-02	9.12E-02	1.05E-01	1.10E-01	1.72E-01	1.72E-01	0.00E+00	2.44E-02	0.00E+00	0.00E+00	0.00E+00	8.10E-02	8.10E-02
South Dakota	Codington County	46029	U	Vinyl Chloride	6.64E-06	6.64E-06	1.41E-05	1.50E-05	1.90E-05	1.88E-05	4.48E-05	4.48E-05	0.00E+00	1.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Corson County	46031	R	Acetaldehyde	1.40E-01	1.40E-01	1.47E-01	2.40E+00	3.37E+00	5.69E+00	9.44E+00	9.44E+00	0.00E+00	3.36E+00	1.93E+00	7.34E+03	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Acrolein	1.21E-02	1.21E-02	3.60E-02	3.92E-02	3.57E-02	4.26E-02	4.51E-02	4.51E-02	0.00E+00	3.53E-02	2.36E-04	2.27E-04	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Acrylonitrile	1.97E-07	1.97E-07	2.87E-07	4.85E-07	6.51E-07	6.48E-07	1.80E-06	1.80E-06	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Arsenic Compounds	5.87E-07	5.87E-07	9.20E-07	1.05E-06	1.11E-06	1.35E-06	1.69E-06	1.69E-06	0.00E+00	3.81E-08	2.94E-07	7.75E-07	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Benzene	5.03E-01	5.03E-01	5.42E-01	5.49E-01	5.47E-01	5.65E-01	5.72E-01	5.72E-01	0.00E+00	6.11E-02	2.68E-03	2.88E-03	4.80E-01	4.80E-01	
South Dakota	Corson County	46031	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
South Dakota	Corson County	46031	R	Beryllium Compounds	3.02E-08	3.02E-08	3.73E-08	4.88E-08	7.65E-08	1.30E-07	1.64E-07	1.64E-07	0.00E+00	2.19E-08	0.00E+00	5.45E-08	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	1,3-Butadiene	2.59E-03	2.59E-03	3.62E-03	5.40E-03	8.55E-03	1.64E-02	1.79E-02	1.79E-02	0.00E+00	8.25E-03	1.59E-04	1.40E-04	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Cadmium Compounds	3.97E-08	3.97E-08	5.35E-08	5.80E-08	8.76E-08	1.36E-07	1.81E-07	1.81E-07	0.00E+00	3.33E-08	0.00E+00	5.43E-08	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	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	5.64E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02	4.70E-02
South Dakota	Corson County	46031	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	2.11E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01	8.80E-01
South Dakota	Corson County	46031	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.									

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

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		
South Dakota	Corson County	46031	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
South Dakota	Corson County	46031	R	Lead Compounds	1.75E-07	1.75E-07	1.84E-07	1.92E-05	3.13E-05	2.80E-05	1.21E-04	1.21E-04	0.00E+00	7.05E-07	0.00E+00	3.06E-05	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Manganese Compounds	1.19E-07	1.19E-07	1.43E-07	1.84E-07	2.11E-07	2.69E-07	3.67E-07	3.67E-07	0.00E+00	9.87E-08	4.70E-08	6.52E-08	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	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	0.00E+00	7.63E-08	3.47E-07	7.29E-07	1.50E-03	0.00E+00	
South Dakota	Corson County	46031	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	0.00E+00	5.37E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
South Dakota	Corson County	46031	R	Nickel Compounds	1.23E-07	1.23E-07	2.12E-07	3.20E-07	4.28E-07	5.38E-07	1.05E-06	1.05E-06	0.00E+00	2.00E-07	1.28E-07	9.97E-08	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	0.00E+00	1.59E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
South Dakota	Corson County	46031	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.10E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
South Dakota	Corson County	46031	R	Polycyclic Organic Matter	1.26E-03	1.26E-03	3.09E-03	3.35E-03	3.32E-03	3.32E-03	4.31E-03	4.53E-03	4.53E-03	0.00E+00	3.21E-03	5.91E-05	5.04E-05	0.00E+00	0.00E+00
South Dakota	Corson County	46031	R	7-PAH	4.54E-04	4.54E-04	1.14E-03	1.32E-03	1.26E-03	1.67E-03	1.68E-03	1.68E-03	0.00E+00	1.26E-03	4.10E-07	8.60E-07	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Propylene Dichloride	5.86E-09	5.86E-09	8.55E-09	1.76E-08	2.40E-08	2.65E-08	6.78E-08	6.78E-08	0.00E+00	2.40E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	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	
South Dakota	Corson County	46031	R	1,1,2,2-Tetrachloroethane	9.18E-10	9.18E-10	1.34E-09	5.67E-08	8.52E-08	1.35E-07	2.60E-07	2.60E-07	0.00E+00	8.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Corson County	46031	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	0.00E+00	4.03E-05	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
South Dakota	Corson County	46031	R	Vinyl Chloride	3.39E-09	3.39E-09	4.94E-09	1.42E-07	2.13E-07	3.35E-07	6.49E-07	6.49E-07	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Acetaldehyde	8.67E-02	8.67E-02	8.67E-02	8.67E-02	8.67E-02	8.68E-02	8.68E-02	8.68E-02	3.83E-04	6.71E-02	1.67E-02	2.51E-03	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Acrolein	4.63E-02	4.63E-02	4.63E-02	5.61E-02	5.61E-02	6.58E-02	6.58E-02	6.58E-02	5.34E-05	5.46E-02	1.15E-03	2.57E-04	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Acrylonitrile	1.13E-05	1.13E-05	1.13E-05	1.43E-05	1.43E-05	1.73E-05	1.73E-05	1.73E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Arsenic Compounds	1.39E-06	1.39E-06	1.39E-06	3.87E-06	3.87E-06	6.34E-06	6.34E-06	6.34E-06	4.80E-07	5.63E-07	2.31E-06	5.12E-07	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Benzene	5.69E-01	5.69E-01	5.69E-01	6.15E-01	6.15E-01	6.60E-01	6.60E-01	6.60E-01	9.02E-04	1.12E-01	1.86E-02	2.86E-03	4.80E-01	0.00E+00	
South Dakota	Custer County	46033	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	
South Dakota	Custer County	46033	R	Beryllium Compounds	3.47E-07	3.47E-07	3.47E-07	5.40E-07	5.40E-07	7.34E-07	7.34E-07	7.34E-07	3.64E-08	2.30E-07	0.00E+00	2.74E-07	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	1,3-Butadiene	1.06E-02	1.06E-02	1.06E-02	1.83E-02	1.83E-02	2.60E-02	2.60E-02	2.60E-02	1.48E-06	1.65E-02	1.61E-03	2.46E-04	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Cadmium Compounds	4.41E-07	4.41E-07	4.41E-07	1.41E-06	1.41E-06	2.37E-06	2.37E-06	2.37E-06	7.51E-07	3.82E-07	0.00E+00	2.73E-07	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	1.18E-06	6.15E-05	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
South Dakota	Custer County	46033	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	1.80E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
South Dakota	Custer County	46033	R	Chloroform	8.36E-02	8.36E-02	8.36E-02	8.36E-02	8.36E-02	8.37E-02	8.37E-02	8.37E-02	0.00E+00	6.33E-04	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
South Dakota	Custer County	46033	R	Chromium Compounds (includes Hexavalent)	1.97E-06	1.97E-06	1.97E-06	6.64E-06	6.64E-06	1.13E-05	1.13E-05	1.13E-05	3.78E-06	1.42E-06	1.35E-06	9.50E-08	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Chromium VI	5.71E-07	5.71E-07	5.71E-07	1.42E-06	1.42E-06	2.26E-06	2.26E-06	2.26E-06	4.40E-07	1.47E-07	5.26E-07	3.23E-08	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	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	
South Dakota	Custer County	46033	R	1,4-Dichlorobenzene	3.91E-04	3.91E-04	3.91E-04	9.94E-04	9.94E-04	1.60E-03	1.60E-03	1.60E-03	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	1,3-Dichloropropene	7.59E-04	7.59E-04	7.59E-04	1.99E-03	1.99E-03	3.22E-03	3.22E-03	3.22E-03	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	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	5.01E-09	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
South Dakota	Custer County	46033	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	6.43E-09	1.13E-06	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
South Dakota	Custer County	46033	R	Ethylene Oxide	2.96E-05	2.96E-05	2.96E-05	3.24E-05	3.24E-05	3.51E-05	3.51E-05	3.51E-05	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Formaldehyde	4.61E-01	4.61E-01	4.61E-01	5.03E-01	5.03E-01	5.45E-01	5.45E-01	5.45E-01	1.33E-03	2.35E-01	1.14E-02	4.57E-03	2.50E-01	0.00E+00	
South Dakota	Custer County	46033	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.33E-05	9.33E-05	9.33E-05	0.00E+00	1.49E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
South Dakota	Custer County	46033	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	9.63E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
South Dakota	Custer County	46033	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	
South Dakota	Custer County	46033	R	Hydrazine	1.66E-12	1.66E-12	1.66E-12	2.08E-12	2.08E-12	2.51E-12	2.51E-12	2.51E-12	0.00E+00	2.08E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Lead Compounds	4.46E-06	4.46E-06	4.46E-06	2.08E-05	2.08E-05	3.71E-05	3.71E-05	3.71E-05	2.19E-06	1.76E-05	0.00E+00	9.75E-07	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Manganese Compounds	2.99E-05	2.99E-05	2.99E-05	3.61E-05	3.61E-05	4.24E-05	4.24E-05	4.24E-05	4.93E-06	3.07E-05	4.30E-07	6.59E-08	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	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	7.07E-07	4.94E-07	2.71E-06	7.50E-07	1.50E-03	0.00E+00	
South Dakota	Custer County	46033	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.55E-01	1.55E-01	1.59E-01	1.59E-01	1.59E-01	5.01E-06	5.17E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
South Dakota	Custer County	46033	R	Nickel Compounds	1.19E-06	1.19E-06	1.19E-06	1.35E-05	1.35E-05	2.58E-05	2.58E-05	2.58E-05	9.93E-06	2.40E-06	1.01E-06	1.32E-07	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	6.24E-09	1.88E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
South Dakota	Custer County	46033	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.98E-04	3.98E-04	4.13E-04	4.13E-04	4.13E-04	1.92E-10	1.79E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
South Dakota	Custer County	46033	R	Polycyclic Organic Matter	5.13E-03	5.13E-03	5.13E-03	8.37E-03	8.37E-03	1.16E-02	1.16E-02	1.16E-02	1.09E-04	7.73E-03	4.47E-04	8.59E-05	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	7-PAH	1.72E-03	1.72E-03	1.72E-03	2.31E-03	2.31E-03	2.90E-03	2.90E-03	2.90E-03	4.04E-08	2.31E-03	3.40E-06	8.29E-07	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Propylene Dichloride	6.43E-07	6.43E-07	6.43E-07	6.98E-07	6.98E-07	7.54E-07	7.54E-07	7.54E-07	0.00E+00	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Quinoline	3.56E-11	3.56E-11	3.56E-11	4.66E-11	4.66E-11	5.77E-11	5.77E-11	5.77E-11	0.00E+00	4.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	1,1,2,2-Tetrachloroethane	4.36E-06	4.36E-06	4.36E-06	4.95E-06	4.95E-06	5.54E-06	5.54E-06	5.54E-06	0.00E+00	4.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Custer County	46033	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.13E-02	8.13E-02	8.16E-02	8.16E-02	8.16E-02	0.00E+00	3.46E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
South Dakota	Custer County	46033	R	Vinyl Chloride															

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

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
South Dakota	Davison County	46035	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	8.31E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Davison County	46035	U	Chloroform	8.36E-02	8.36E-02	8.57E-02	8.77E-02	8.97E-02	9.37E-02	9.96E-02	9.96E-02	0.00E+00	6.67E-03	0.00E+00	0.00E+00	8.30E-02
South Dakota	Davison County	46035	U	Chromium Compounds (includes Hexavalent)	2.47E-06	2.47E-06	1.58E-05	3.39E-05	8.20E-05	1.48E-04	2.58E-04	2.58E-04	0.00E+00	7.71E-05	4.66E-06	2.60E-07	0.00E+00
South Dakota	Davison County	46035	U	Chromium VI	1.66E-06	1.66E-06	1.42E-05	2.99E-05	7.71E-05	1.40E-04	2.47E-04	2.47E-04	0.00E+00	7.51E-05	1.90E-06	8.84E-08	0.00E+00
South Dakota	Davison County	46035	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
South Dakota	Davison County	46035	U	1,4-Dichlorobenzene	4.63E-04	4.63E-04	2.46E-03	4.49E-03	6.69E-03	1.09E-02	1.73E-02	1.73E-02	0.00E+00	6.69E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	U	1,3-Dichloropropene	8.93E-04	8.93E-04	4.98E-03	9.11E-03	1.36E-02	2.23E-02	3.53E-02	3.53E-02	0.00E+00	1.36E-02	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	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	3.07E-07	0.00E+00	0.00E+00	7.70E-03
South Dakota	Davison County	46035	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	0.00E+00	1.30E-05	0.00E+00	0.00E+00	6.10E-02
South Dakota	Davison County	46035	U	Ethylene Oxide	1.13E-05	1.13E-05	8.89E-05	2.30E-04	3.83E-04	6.77E-04	1.06E-03	1.06E-03	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	U	Formaldehyde	3.11E-01	3.11E-01	3.11E-01	3.32E-01	3.44E-01	3.76E-01	4.00E-01	4.00E-01	0.00E+00	2.55E-02	3.41E-02	3.42E-02	2.50E-01
South Dakota	Davison County	46035	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.35E-05	0.00E+00	2.52E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Davison County	46035	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	3.79E-08	0.00E+00	0.00E+00	1.80E-03
South Dakota	Davison County	46035	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
South Dakota	Davison County	46035	U	Hydrazine	3.80E-09	3.80E-09	2.46E-08	7.56E-08	1.21E-07	2.18E-07	3.30E-07	3.30E-07	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	U	Lead Compounds	2.36E-05	2.36E-05	1.30E-04	4.11E-04	4.45E-04	7.60E-04	9.35E-04	9.35E-04	0.00E+00	1.56E-04	0.00E+00	2.89E-04	0.00E+00
South Dakota	Davison County	46035	U	Manganese Compounds	1.18E-05	1.18E-05	5.56E-05	1.96E-04	2.88E-04	5.21E-04	7.50E-04	7.50E-04	2.79E-04	7.53E-06	1.48E-06	5.84E-07	0.00E+00
South Dakota	Davison County	46035	U	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.54E-03	1.56E-03	1.56E-03	0.00E+00	1.24E-05	7.22E-06	6.19E-06	1.50E-03
South Dakota	Davison County	46035	U	Methylene Chloride	1.52E-01	1.52E-01	1.60E-01	1.68E-01	1.76E-01	1.93E-01	2.16E-01	2.16E-01	0.00E+00	6.23E-02	0.00E+00	0.00E+00	1.50E-01
South Dakota	Davison County	46035	U	Nickel Compounds	3.63E-06	3.63E-06	2.60E-05	4.86E-05	6.66E-05	1.07E-04	1.66E-04	1.66E-04	0.00E+00	2.62E-05	3.36E-06	8.91E-07	0.00E+00
South Dakota	Davison County	46035	U	Perchloroethylene	1.45E-01	1.45E-01	1.51E-01	1.56E-01	1.57E-01	1.64E-01	1.72E-01	1.72E-01	0.00E+00	1.73E-02	0.00E+00	0.00E+00	1.40E-01
South Dakota	Davison County	46035	U	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.87E-04	3.93E-04	3.98E-04	4.09E-04	4.25E-04	4.25E-04	0.00E+00	1.83E-05	0.00E+00	0.00E+00	3.80E-04
South Dakota	Davison County	46035	U	Polycyclic Organic Matter	2.33E-03	2.33E-03	5.38E-03	8.60E-03	1.10E-02	1.66E-02	2.43E-02	2.43E-02	0.00E+00	8.86E-03	1.62E-03	4.93E-04	0.00E+00
South Dakota	Davison County	46035	U	7-PAH	2.36E-04	2.36E-04	3.15E-04	4.28E-04	5.06E-04	6.97E-04	9.32E-04	9.32E-04	0.00E+00	4.93E-04	9.74E-06	3.36E-06	0.00E+00
South Dakota	Davison County	46035	U	Propylene Dichloride	2.55E-06	2.55E-06	4.09E-06	5.77E-06	6.19E-06	8.29E-06	1.07E-05	1.07E-05	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	U	Quinoline	2.12E-08	2.12E-08	1.01E-07	2.52E-07	3.56E-07	6.11E-07	9.00E-07	9.00E-07	0.00E+00	3.56E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	U	1,1,2,2-Tetrachloroethane	4.25E-06	4.25E-06	7.69E-06	1.64E-05	2.23E-05	3.70E-05	5.22E-05	5.22E-05	0.00E+00	2.23E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Davison County	46035	U	Trichloroethylene	8.13E-02	8.13E-02	8.26E-02	8.41E-02	8.56E-02	8.86E-02	9.28E-02	9.28E-02	0.00E+00	4.59E-03	0.00E+00	0.00E+00	8.10E-02
South Dakota	Davison County	46035	U	Vinyl Chloride	1.58E-05	1.58E-05	3.47E-05	5.82E-05	6.53E-05	9.60E-05	1.29E-04	1.29E-04	0.00E+00	6.53E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	Acetaldehyde	3.40E-02	3.40E-02	4.33E-02	5.84E-02	5.86E-02	7.39E-02	8.36E-02	8.36E-02	0.00E+00	2.21E-02	1.11E-02	2.54E-02	0.00E+00
South Dakota	Day County	46037	R	Acrolein	4.70E-03	4.70E-03	5.16E-03	7.43E-03	7.27E-03	9.38E-03	9.53E-03	9.53E-03	0.00E+00	5.59E-03	9.91E-04	6.90E-04	0.00E+00
South Dakota	Day County	46037	R	Acrylonitrile	6.07E-07	6.07E-07	7.31E-07	6.22E-06	6.48E-06	1.22E-05	1.29E-05	1.29E-05	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	Arsenic Compounds	3.13E-06	3.13E-06	3.30E-06	4.50E-06	5.64E-06	7.98E-06	1.04E-05	1.04E-05	0.00E+00	2.24E-07	1.84E-06	3.57E-06	0.00E+00
South Dakota	Day County	46037	R	Benzene	5.01E-01	5.01E-01	5.03E-01	5.15E-01	5.22E-01	5.41E-01	5.56E-01	5.56E-01	0.00E+00	1.76E-02	1.47E-02	9.56E-03	4.80E-01
South Dakota	Day County	46037	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
South Dakota	Day County	46037	R	Beryllium Compounds	1.03E-07	1.03E-07	1.24E-07	1.64E-07	2.79E-07	4.34E-07	6.86E-07	6.86E-07	0.00E+00	1.07E-07	0.00E+00	1.72E-07	0.00E+00
South Dakota	Day County	46037	R	1,3-Butadiene	1.79E-03	1.79E-03	1.88E-03	3.08E-03	3.63E-03	5.37E-03	6.56E-03	6.56E-03	0.00E+00	1.82E-03	1.19E-03	6.14E-04	0.00E+00
South Dakota	Day County	46037	R	Cadmium Compounds	1.48E-07	1.48E-07	1.61E-07	2.09E-07	3.58E-07	5.55E-07	8.68E-07	8.68E-07	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	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	2.45E-05	0.00E+00	0.00E+00	4.70E-02
South Dakota	Day County	46037	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	8.45E-06	0.00E+00	0.00E+00	8.80E-01
South Dakota	Day County	46037	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.32E-02	8.32E-02	0.00E+00	7.70E-05	0.00E+00	0.00E+00	8.30E-02
South Dakota	Day County	46037	R	Chromium Compounds (includes Hexavalent)	4.71E-07	4.71E-07	5.36E-07	8.67E-07	1.30E-06	2.07E-06	3.01E-06	3.01E-06	0.00E+00	1.62E-07	1.02E-06	1.19E-07	0.00E+00
South Dakota	Day County	46037	R	Chromium VI	1.87E-07	1.87E-07	2.11E-07	3.37E-07	5.18E-07	8.24E-07	1.21E-06	1.21E-06	0.00E+00	7.40E-08	4.03E-07	4.06E-08	0.00E+00
South Dakota	Day County	46037	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
South Dakota	Day County	46037	R	1,4-Dichlorobenzene	2.07E-04	2.07E-04	2.14E-04	2.94E-04	5.87E-04	9.61E-04	1.55E-03	1.55E-03	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	1,3-Dichloropropene	4.02E-04	4.02E-04	4.17E-04	5.82E-04	1.18E-03	1.94E-03	3.15E-03	3.15E-03	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	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	2.58E-09	0.00E+00	0.00E+00	7.70E-03
South Dakota	Day County	46037	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	5.71E-07	0.00E+00	0.00E+00	6.10E-02
South Dakota	Day County	46037	R	Ethylene Oxide	2.54E-06	2.54E-06	2.90E-06	3.42E-06	1.06E-05	1.83E-05	3.31E-05	3.31E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	Formaldehyde	2.97E-01	2.97E-01	3.11E-01	3.33E-01	3.29E-01	3.47E-01	3.51E-01	3.51E-01	0.00E+00	3.94E-02	8.12E-03	3.12E-02	2.50E-01
South Dakota	Day County	46037	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	0.00E+00	1.40E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Day County	46037	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	3.75E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Day County	46037	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
South Dakota	Day County	46037	R	Hydrazine	9.65E-15	9.65E-15	2.39E-12	7.69E-12	6.71E-12	1.10E-11	1.15E-11	1.15E-11	0.00E+00	6.71E-12	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	Lead Compounds	2.49E-06	2.49E-06	3.32E-06	9.71E-06	1.20E-05	2.07E-05	2.62E-05	2.62E-05	0.00E+00	7.51E-06	0.00E+00	4.50E-06	0.00E+00
South Dakota	Day County	46037	R	Manganese Compounds	6.02E-07	6.02E-07	8.56E-07	2.00E-06	1.47E-05	2.86E-05	5.42E-05	5.42E-05	0.00E+00	1.41E-05	3.34E-07	2.88E-07	0.00E+00
South Dakota	Day County	46037	R	Mercury Compounds	1.50E-03	1.50E-03</											

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

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	
South Dakota	Day County	46037	R	Quinoline	3.42E-13	3.42E-13	7.15E-11	1.72E-10	1.47E-10	2.22E-10	2.42E-10	2.42E-10	0.00E+00	1.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	1,1,2,2-Tetrachloroethane	2.79E-09	2.79E-09	3.37E-09	1.79E-06	2.44E-06	4.88E-06	6.19E-06	6.19E-06	0.00E+00	2.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Day County	46037	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.14E-02	8.19E-02	8.27E-02	8.37E-02	8.37E-02	0.00E+00	8.93E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Day County	46037	R	Vinyl Chloride	1.80E-08	1.80E-08	1.95E-08	4.42E-06	6.03E-06	1.20E-05	1.52E-05	1.52E-05	0.00E+00	6.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Acetaldehyde	3.26E-02	3.26E-02	3.26E-02	3.36E-02	3.36E-02	3.47E-02	3.47E-02	3.47E-02	0.00E+00	5.17E-03	1.41E-02	1.44E-02	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Acrolein	3.78E-03	3.78E-03	3.78E-03	4.11E-03	4.11E-03	4.45E-03	4.45E-03	4.45E-03	0.00E+00	1.94E-03	1.37E-03	8.04E-04	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Acrylonitrile	8.92E-06	8.92E-06	8.92E-06	1.16E-05	1.16E-05	1.43E-05	1.43E-05	1.43E-05	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Arsenic Compounds	4.88E-06	4.88E-06	4.88E-06	5.74E-06	5.74E-06	6.60E-06	6.60E-06	6.60E-06	0.00E+00	2.74E-07	2.04E-06	3.43E-06	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Benzene	5.10E-01	5.10E-01	5.10E-01	5.18E-01	5.18E-01	5.25E-01	5.25E-01	5.25E-01	0.00E+00	1.27E-02	1.69E-02	7.91E-03	4.80E-01	0.00E+00
South Dakota	Deuel County	46039	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
South Dakota	Deuel County	46039	R	Beryllium Compounds	9.59E-08	9.59E-08	9.59E-08	1.45E-07	1.45E-07	1.94E-07	1.94E-07	1.94E-07	0.00E+00	1.30E-07	0.00E+00	1.50E-08	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	1,3-Butadiene	1.53E-03	1.53E-03	1.53E-03	1.95E-03	1.95E-03	2.37E-03	2.37E-03	2.37E-03	0.00E+00	3.31E-04	1.13E-03	4.90E-04	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Cadmium Compounds	1.57E-07	1.57E-07	1.57E-07	2.24E-07	2.24E-07	2.91E-07	2.91E-07	2.91E-07	0.00E+00	2.09E-07	0.00E+00	1.49E-08	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.73E-02	4.73E-02	4.76E-02	4.76E-02	4.76E-02	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	Deuel County	46039	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	1.61E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01
South Dakota	Deuel County	46039	R	Chloroform	8.32E-02	8.32E-02	8.32E-02	8.33E-02	8.33E-02	8.33E-02	8.33E-02	8.33E-02	0.00E+00	2.84E-04	0.00E+00	0.00E+00	0.00E+00	8.30E-02
South Dakota	Deuel County	46039	R	Chromium Compounds (includes Hexavalent)	1.03E-05	1.03E-05	1.03E-05	1.09E-05	1.09E-05	1.16E-05	1.16E-05	1.16E-05	0.00E+00	9.68E-06	1.17E-06	8.08E-08	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Chromium VI	3.57E-06	3.57E-06	3.57E-06	3.82E-06	3.82E-06	4.07E-06	4.07E-06	4.07E-06	0.00E+00	3.33E-06	4.62E-07	2.75E-08	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	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
South Dakota	Deuel County	46039	R	1,4-Dichlorobenzene	4.76E-04	4.76E-04	4.76E-04	9.41E-04	9.41E-04	1.41E-03	1.41E-03	1.41E-03	0.00E+00	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	1,3-Dichloropropene	1.06E-03	1.06E-03	1.06E-03	2.00E-03	2.00E-03	2.94E-03	2.94E-03	2.94E-03	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	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	0.00E+00	7.70E-03
South Dakota	Deuel County	46039	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	0.00E+00	6.10E-02
South Dakota	Deuel County	46039	R	Ethylene Oxide	3.26E-05	3.26E-05	3.26E-05	5.83E-05	5.83E-05	8.41E-05	8.41E-05	8.41E-05	0.00E+00	5.83E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Formaldehyde	2.92E-01	2.92E-01	2.92E-01	2.92E-01	2.92E-01	2.92E-01	2.92E-01	2.92E-01	0.00E+00	1.05E-02	9.69E-03	2.19E-02	2.50E-01	0.00E+00
South Dakota	Deuel County	46039	R	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	1.68E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Deuel County	46039	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	6.66E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Deuel County	46039	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
South Dakota	Deuel County	46039	R	Hydrazine	6.04E-09	6.04E-09	6.04E-09	3.56E-08	3.56E-08	6.51E-08	6.51E-08	6.51E-08	0.00E+00	3.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Lead Compounds	3.83E-06	3.83E-06	3.83E-06	1.67E-05	1.67E-05	2.95E-05	2.95E-05	2.95E-05	0.00E+00	1.31E-05	0.00E+00	3.57E-06	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Manganese Compounds	8.07E-06	8.07E-06	8.07E-06	9.03E-06	9.03E-06	9.99E-06	9.99E-06	9.99E-06	0.00E+00	8.41E-06	3.59E-07	2.65E-07	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	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	0.00E+00	3.86E-07	2.44E-06	2.99E-06	1.50E-03	0.00E+00
South Dakota	Deuel County	46039	R	Methylene Chloride	1.52E-01	1.52E-01	1.52E-01	1.54E-01	1.54E-01	1.57E-01	1.57E-01	1.57E-01	0.00E+00	4.49E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01
South Dakota	Deuel County	46039	R	Nickel Compounds	3.21E-06	3.21E-06	3.21E-06	5.69E-06	5.69E-06	8.16E-06	8.16E-06	8.16E-06	0.00E+00	4.44E-06	8.76E-07	3.73E-07	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	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	8.47E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
South Dakota	Deuel County	46039	R	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	3.92E-04	3.92E-04	3.99E-04	3.99E-04	3.99E-04	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04
South Dakota	Deuel County	46039	R	Polycyclic Organic Matter	2.00E-03	2.00E-03	2.00E-03	2.58E-03	2.58E-03	3.16E-03	3.16E-03	3.16E-03	0.00E+00	2.03E-03	4.03E-04	1.47E-04	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	7-PAH	1.44E-04	1.44E-04	1.44E-04	1.81E-04	1.81E-04	2.18E-04	2.18E-04	2.18E-04	0.00E+00	1.76E-04	3.06E-06	2.00E-06	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Propylene Dichloride	6.42E-07	6.42E-07	6.42E-07	1.27E-06	1.27E-06	1.90E-06	1.90E-06	1.90E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Quinoline	2.34E-08	2.34E-08	2.34E-08	1.06E-07	1.06E-07	1.88E-07	1.88E-07	1.88E-07	0.00E+00	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	1,1,2,2-Tetrachloroethane	6.59E-07	6.59E-07	6.59E-07	2.10E-06	2.10E-06	3.54E-06	3.54E-06	3.54E-06	0.00E+00	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Deuel County	46039	R	Trichloroethylene	8.15E-02	8.15E-02	8.15E-02	8.17E-02	8.17E-02	8.20E-02	8.20E-02	8.20E-02	0.00E+00	7.49E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Deuel County	46039	R	Vinyl Chloride	7.53E-06	7.53E-06	7.53E-06	8.84E-06	8.84E-06	9.75E-06	9.75E-06	9.75E-06	0.00E+00	8.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Acetaldehyde	1.11E-01	1.11E-01	1.55E-01	3.75E-01	6.05E-01	4.59E-01	2.75E+00	2.75E+00	0.00E+00	5.74E-01	1.32E-02	1.85E-02	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Acrolein	8.89E-03	8.89E-03	1.31E-02	2.74E-02	2.58E-02	3.00E-02	5.63E-02	5.63E-02	0.00E+00	2.49E-02	5.69E-04	3.21E-04	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Acrylonitrile	2.10E-07	2.10E-07	3.11E-07	3.66E-07	3.92E-07	4.20E-07	7.29E-07	7.29E-07	0.00E+00	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Arsenic Compounds	3.29E-07	3.29E-07	7.20E-07	1.41E-06	3.53E-06	5.96E-06	1.18E-05	1.18E-05	0.00E+00	8.30E-08	1.76E-06	1.69E-06	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Benzene	4.99E-01	4.99E-01	5.04E-01	5.35E-01	5.45E-01	5.79E-01	6.23E-01	6.23E-01	0.00E+00	4.71E-02	1.40E-02	3.76E-03	4.80E-01	0.00E+00
South Dakota	Dewey County	46041	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
South Dakota	Dewey County	46041	R	Beryllium Compounds	1.13E-08	1.13E-08	1.38E-08	2.87E-08	6.71E-08	4.57E-08	3.49E-07	3.49E-07	0.00E+00	5.83E-08	0.00E+00	8.83E-09	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	1,3-Butadiene	9.25E-04	9.25E-04	1.06E-03	5.44E-03	7.53E-03	1.24E-02	2.15E-02	2.15E-02	0.00E+00	5.74E-03	1.53E-03	2.62E-04	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Cadmium Compounds	1.84E-08	1.84E-08	1.96E-08	4.02E-08	8.29E-08	6.22E-08	4.01E-07	4.01E-07	0.00E+00	7.42E-08	0.00E+00	8.76E-09	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	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	3.87E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	Dewey County	46041	R	Carbon														

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

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	
South Dakota	Dewey County	46041	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.34E-05	9.34E-05	0.00E+00	9.08E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Dewey County	46041	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	6.18E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Dewey County	46041	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
South Dakota	Dewey County	46041	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
South Dakota	Dewey County	46041	R	Lead Compounds	7.37E-08	7.37E-08	1.20E-07	6.47E-07	5.40E-06	9.43E-06	2.28E-05	2.28E-05	0.00E+00	3.09E-07	0.00E+00	5.10E-06	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Manganese Compounds	1.10E-07	1.10E-07	1.39E-07	2.76E-07	6.58E-07	8.19E-07	2.68E-06	2.68E-06	0.00E+00	2.17E-07	3.11E-07	1.29E-07	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	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	0.00E+00	7.97E-08	2.08E-06	1.44E-06	1.50E-03	0.00E+00
South Dakota	Dewey County	46041	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.50E-01	1.52E-01	1.52E-01	0.00E+00	5.53E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Dewey County	46041	R	Nickel Compounds	1.85E-07	1.85E-07	2.72E-07	4.28E-07	1.08E-06	1.46E-06	4.17E-06	4.17E-06	0.00E+00	1.80E-07	7.13E-07	1.91E-07	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	0.00E+00	1.98E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	Dewey County	46041	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.81E-04	3.82E-04	3.88E-04	3.85E-04	4.27E-04	4.27E-04	0.00E+00	7.87E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	Dewey County	46041	R	Polycyclic Organic Matter	1.06E-03	1.06E-03	1.26E-03	2.84E-03	3.21E-03	4.59E-03	7.65E-03	7.65E-03	0.00E+00	2.82E-03	3.24E-04	6.80E-05	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	7-PAH	2.88E-04	2.88E-04	4.13E-04	9.65E-04	9.36E-04	1.19E-03	2.07E-03	2.07E-03	0.00E+00	9.33E-04	2.41E-06	8.88E-07	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Propylene Dichloride	6.24E-09	6.24E-09	9.25E-09	1.09E-08	1.31E-08	1.25E-08	3.32E-08	3.32E-08	0.00E+00	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	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
South Dakota	Dewey County	46041	R	1,1,2,2-Tetrachloroethane	9.77E-10	9.77E-10	1.45E-09	1.70E-09	2.75E-08	1.96E-09	2.09E-07	2.09E-07	0.00E+00	2.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Dewey County	46041	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	0.00E+00	3.27E-05	0.00E+00	0.00E+00	8.10E-02	0.00E+00
South Dakota	Dewey County	46041	R	Vinyl Chloride	3.61E-09	3.61E-09	5.35E-09	6.29E-09	6.98E-08	7.23E-09	5.17E-07	5.17E-07	0.00E+00	6.98E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Acetaldehyde	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	0.00E+00	9.78E-02	5.95E-03	2.09E-02	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Acrolein	1.03E-02	1.03E-02	1.03E-02	1.03E-02	1.03E-02	1.03E-02	1.03E-02	1.03E-02	0.00E+00	9.07E-03	7.06E-04	4.91E-04	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Acrylonitrile	4.41E-06	4.41E-06	4.41E-06	4.41E-06	4.41E-06	4.41E-06	4.41E-06	4.41E-06	0.00E+00	4.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Arsenic Compounds	4.15E-06	4.15E-06	4.15E-06	4.15E-06	4.15E-06	4.15E-06	4.15E-06	4.15E-06	0.00E+00	1.19E-07	8.38E-07	3.19E-06	4.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Benzene	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	0.00E+00	2.12E-02	7.38E-03	4.37E-03	0.00E-01	0.00E+00
South Dakota	Douglas County	46043	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
South Dakota	Douglas County	46043	R	Beryllium Compounds	6.74E-08	6.74E-08	6.74E-08	6.74E-08	6.74E-08	6.74E-08	6.74E-08	6.74E-08	0.00E+00	6.43E-08	0.00E+00	3.02E-09	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	1,3-Butadiene	3.27E-03	3.27E-03	3.27E-03	3.27E-03	3.27E-03	3.27E-03	3.27E-03	3.27E-03	0.00E+00	2.61E-03	3.82E-04	2.85E-04	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Cadmium Compounds	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.23E-07	1.23E-07	0.00E+00	1.20E-07	0.00E+00	2.99E-09	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	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	2.14E-05	0.00E+00	0.00E+00	4.70E-02	0.00E+00
South Dakota	Douglas County	46043	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	5.60E-06	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	Douglas County	46043	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	2.17E-04	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Douglas County	46043	R	Chromium Compounds (includes Hexavalent)	8.22E-07	8.22E-07	8.22E-07	8.22E-07	8.22E-07	8.22E-07	8.22E-07	8.22E-07	0.00E+00	2.87E-07	4.97E-07	3.77E-08	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Chromium VI	4.31E-07	4.31E-07	4.31E-07	4.31E-07	4.31E-07	4.31E-07	4.31E-07	4.31E-07	0.00E+00	2.34E-07	1.84E-07	1.28E-08	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	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
South Dakota	Douglas County	46043	R	1,4-Dichlorobenzene	3.73E-04	3.73E-04	3.73E-04	3.73E-04	3.73E-04	3.73E-04	3.73E-04	3.73E-04	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	1,3-Dichloropropene	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	7.30E-04	0.00E+00	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	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	3.42E-09	0.00E+00	0.00E+00	7.70E-03	0.00E+00
South Dakota	Douglas County	46043	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	4.33E-07	0.00E+00	0.00E+00	6.10E-02	0.00E+00
South Dakota	Douglas County	46043	R	Ethylene Oxide	1.39E-05	1.39E-05	1.39E-05	1.39E-05	1.39E-05	1.39E-05	1.39E-05	1.39E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Formaldehyde	4.12E-01	4.12E-01	4.12E-01	4.12E-01	4.12E-01	4.12E-01	4.12E-01	4.12E-01	0.00E+00	1.29E-01	4.10E-03	2.91E-02	2.50E-01	0.00E+00
South Dakota	Douglas County	46043	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	9.30E-05	0.00E+00
South Dakota	Douglas County	46043	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	2.27E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	Douglas County	46043	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
South Dakota	Douglas County	46043	R	Hydrazine	7.17E-11	7.17E-11	7.17E-11	7.17E-11	7.17E-11	7.17E-11	7.17E-11	7.17E-11	0.00E+00	7.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Lead Compounds	5.75E-06	5.75E-06	5.75E-06	5.75E-06	5.75E-06	5.75E-06	5.75E-06	5.75E-06	0.00E+00	5.69E-06	0.00E+00	5.87E-08	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Manganese Compounds	8.40E-07	8.40E-07	8.40E-07	8.40E-07	8.40E-07	8.40E-07	8.40E-07	8.40E-07	0.00E+00	4.67E-07	1.36E-07	2.37E-07	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	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	0.00E+00	1.36E-07	1.01E-06	2.77E-06	1.50E-03	0.00E+00
South Dakota	Douglas County	46043	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	0.00E+00	1.40E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Douglas County	46043	R	Nickel Compounds	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06	0.00E+00	1.29E-06	3.78E-07	3.29E-07	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	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	4.34E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	Douglas County	46043	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	4.22E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	Douglas County	46043	R	Polycyclic Organic Matter	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	2.24E-03	0.00E+00	1.95E-03	1.74E-04	1.10E-04	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	7-PAH	4.23E-04	4.23E-04	4.23E-04	4.23E-04	4.23E-04	4.23E-04	4.23E-04	4.23E-04	0.00E+00	4.21E-04	1.22E-06	8.92E-07	0.00E+00	0.00E+00
South Dakota	Douglas County	46043	R	Propylene Dichloride	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	2.41E-07	0.00E+00	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Douglas County	46043																

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

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	
South Dakota	Fall River County	46047	U	Polycyclic Organic Matter	3.36E-03	3.36E-03	3.36E-03	8.95E-03	8.95E-03	1.45E-02	1.45E-02	1.45E-02	0.00E+00	8.57E-03	2.61E-04	1.17E-04	0.00E+00	
South Dakota	Fall River County	46047	U	7-PAH	1.26E-03	1.26E-03	1.26E-03	3.04E-03	3.04E-03	4.82E-03	4.82E-03	4.82E-03	0.00E+00	3.04E-03	1.81E-06	1.26E-06	0.00E+00	
South Dakota	Fall River County	46047	U	Propylene Dichloride	7.07E-08	7.07E-08	7.07E-08	2.17E-07	2.17E-07	3.64E-07	3.64E-07	3.64E-07	0.00E+00	2.17E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Fall River County	46047	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	
South Dakota	Fall River County	46047	U	1,1,2,2-Tetrachloroethane	5.58E-07	5.58E-07	5.58E-07	8.93E-07	8.93E-07	1.23E-06	1.23E-06	1.23E-06	0.00E+00	8.93E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Fall River County	46047	U	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.18E-02	8.18E-02	8.26E-02	8.26E-02	8.26E-02	0.00E+00	8.47E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Fall River County	46047	U	Vinyl Chloride	1.38E-06	1.38E-06	1.38E-06	2.22E-06	2.22E-06	3.07E-06	3.07E-06	3.07E-06	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	R	Acetaldehyde	4.02E-02	4.02E-02	4.02E-02	4.02E-02	4.02E-02	4.02E-02	4.02E-02	4.02E-02	0.00E+00	1.53E-02	2.22E-03	2.27E-02	0.00E+00	
South Dakota	Faulk County	46049	R	Acrolein	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	8.37E-03	0.00E+00	7.89E-03	2.04E-04	2.72E-04	0.00E+00	
South Dakota	Faulk County	46049	R	Acrylonitrile	3.40E-07	3.40E-07	3.40E-07	3.40E-07	3.40E-07	3.40E-07	3.40E-07	3.40E-07	0.00E+00	3.40E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	R	Arsenic Compounds	2.35E-06	2.35E-06	2.35E-06	2.35E-06	2.35E-06	2.35E-06	2.35E-06	2.35E-06	0.00E+00	2.62E-08	3.02E-07	2.02E-06	0.00E+00	
South Dakota	Faulk County	46049	R	Benzene	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	5.01E-01	0.00E+00	1.59E-02	2.51E-03	2.33E-03	4.80E-01	
South Dakota	Faulk County	46049	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	
South Dakota	Faulk County	46049	R	Beryllium Compounds	2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.40E-08	2.40E-08	0.00E+00	1.65E-08	0.00E+00	7.57E-09	0.00E+00	
South Dakota	Faulk County	46049	R	1,3-Butadiene	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	2.92E-03	0.00E+00	2.59E-03	1.68E-04	1.63E-04	0.00E+00	
South Dakota	Faulk County	46049	R	Cadmium Compounds	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	3.72E-08	0.00E+00	2.97E-08	0.00E+00	7.50E-09	0.00E+00	
South Dakota	Faulk County	46049	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	3.81E-06	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Faulk County	46049	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	1.48E-06	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Faulk County	46049	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	6.96E-06	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Faulk County	46049	R	Chromium Compounds (includes Hexavalent)	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	1.99E-07	0.00E+00	1.99E-08	1.59E-07	1.99E-08	0.00E+00	
South Dakota	Faulk County	46049	R	Chromium VI	7.54E-08	7.54E-08	7.54E-08	7.54E-08	7.54E-08	7.54E-08	7.54E-08	7.54E-08	0.00E+00	8.63E-09	6.00E-08	6.78E-09	0.00E+00	
South Dakota	Faulk County	46049	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	
South Dakota	Faulk County	46049	R	1,4-Dichlorobenzene	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	1.01E-04	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	R	1,3-Dichloropropene	2.01E-04	2.01E-04	2.01E-04	2.01E-04	2.01E-04	2.01E-04	2.01E-04	2.01E-04	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Faulk County	46049	R	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	0.00E+00	5.44E-09	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Faulk County	46049	R	Ethylene Oxide	3.46E-06	3.46E-06	3.46E-06	3.46E-06	3.46E-06	3.46E-06	3.46E-06	3.46E-06	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	R	Formaldehyde	3.23E-01	3.23E-01	3.23E-01	3.23E-01	3.23E-01	3.23E-01	3.23E-01	3.23E-01	0.00E+00	4.32E-02	1.50E-03	2.88E-02	2.50E-01	
South Dakota	Faulk County	46049	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	7.07E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Faulk County	46049	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	6.10E-10	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Faulk County	46049	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	
South Dakota	Faulk County	46049	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	
South Dakota	Faulk County	46049	R	Lead Compounds	1.15E-07	1.15E-07	1.15E-07	1.15E-07	1.15E-07	1.15E-07	1.15E-07	1.15E-07	0.00E+00	5.72E-08	0.00E+00	5.79E-08	0.00E+00	
South Dakota	Faulk County	46049	R	Manganese Compounds	3.27E-07	3.27E-07	3.27E-07	3.27E-07	3.27E-07	3.27E-07	3.27E-07	3.27E-07	0.00E+00	1.27E-07	5.09E-08	1.49E-07	0.00E+00	
South Dakota	Faulk County	46049	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	0.00E+00	2.47E-08	3.53E-07	1.76E-06	1.50E-03	
South Dakota	Faulk County	46049	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	0.00E+00	3.77E-04	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Faulk County	46049	R	Nickel Compounds	4.08E-07	4.08E-07	4.08E-07	4.08E-07	4.08E-07	4.08E-07	4.08E-07	4.08E-07	0.00E+00	8.50E-08	1.15E-07	2.08E-07	0.00E+00	
South Dakota	Faulk County	46049	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	4.60E-05	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Faulk County	46049	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	1.18E-06	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Faulk County	46049	R	Polycyclic Organic Matter	1.22E-03	1.22E-03	1.22E-03	1.22E-03	1.22E-03	1.22E-03	1.22E-03	1.22E-03	0.00E+00	1.09E-03	5.98E-05	6.42E-05	0.00E+00	
South Dakota	Faulk County	46049	R	7-PAH	3.38E-04	3.38E-04	3.38E-04	3.38E-04	3.38E-04	3.38E-04	3.38E-04	3.38E-04	0.00E+00	3.37E-04	4.17E-07	5.12E-07	0.00E+00	
South Dakota	Faulk County	46049	R	Propylene Dichloride	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	1.01E-08	0.00E+00	1.01E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	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	
South Dakota	Faulk County	46049	R	1,1,2,2-Tetrachloroethane	1.59E-09	1.59E-09	1.59E-09	1.59E-09	1.59E-09	1.59E-09	1.59E-09	1.59E-09	0.00E+00	1.59E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Faulk County	46049	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	0.00E+00	3.36E-05	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Faulk County	46049	R	Vinyl Chloride	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	5.85E-09	0.00E+00	5.85E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Grant County	46051	R	Acetaldehyde	3.98E-02	3.98E-02	3.98E-02	5.43E-02	5.43E-02	6.18E-02	6.18E-02	6.18E-02	0.00E+00	7.43E-06	1.28E-02	1.53E-02	2.38E-02	
South Dakota	Grant County	46051	R	Acrolein	6.09E-03	6.09E-03	6.09E-03	7.61E-03	7.65E-03	9.25E-03	9.25E-03	9.25E-03	1.07E-06	5.47E-03	1.35E-03	8.28E-04	0.00E+00	
South Dakota	Grant County	46051	R	Acrylonitrile	6.36E-06	6.36E-06	6.36E-06	4.23E-06	4.56E-06	5.81E-06	5.81E-06	5.81E-06	0.00E+00	4.56E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Grant County	46051	R	Arsenic Compounds	5.71E-06	5.71E-06	5.71E-06	8.28E-06	7.60E-06	8.81E-06	8.81E-06	8.81E-06	0.00E+00	2.37E-07	2.01E-06	3.65E-06	0.00E+00	
South Dakota	Grant County	46051	R	Benzene	5.07E-01	5.07E-01	5.07E-01	5.25E-01	5.20E-01	5.27E-01	5.27E-01	5.27E-01	6.06E-06	1.62E-02	1.66E-02	6.79E-03	4.80E-01	
South Dakota	Grant County	46051	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	
South Dakota	Grant County	46051	R	Beryllium Compounds	2.02E-07	2.02E-07	2.02E-07	2.74E-07	3.72E-07	6.41E-07	6.41E-07	6.41E-07	8.81E-08	1.13E-07	0.00E+00	1.72E-07	0.00E+00	
South Dakota	Grant County	46051	R	1,3-Butadiene	2.39E-03	2.39E-03	2.39E-03	3.75E-03	3.47E-03	4.27E-03	4.27E-03	4.27E-03	0.00E+00	1.99E-03	1.08E-03	3.91E-04	0.00E+00	
South Dakota	Grant County	46051	R	Cadmium Compounds	3.63E-07	3.63E-07	3.63E-07	4.17E-07	5.70E-07	9.32E-07	9.32E-07	9.32E-07	2.16E-07	1.83E-07	0.00E+00	1.71E-07	0.00E+00	
South Dakota	Grant County	46051	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	6.05E-07	2.59E-05	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Grant County	46051	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01											

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

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		
South Dakota	Grant County	46051	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	1.86E-07	4.69E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Grant County	46051	R	Ethylene Oxide	1.01E-05	1.01E-05	1.01E-05	2.29E-05	3.08E-05	5.95E-05	5.95E-05	5.95E-05	0.00E+00	3.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Formaldehyde	3.13E-01	3.13E-01	3.13E-01	3.23E-01	3.25E-01	3.39E-01	3.39E-01	3.39E-01	1.31E-06	3.26E-02	9.76E-03	3.28E-02	2.50E-01	2.50E-01	2.50E-01
South Dakota	Grant County	46051	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	0.00E+00	9.30E-05	9.30E-05
South Dakota	Grant County	46051	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	3.43E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03	1.80E-03
South Dakota	Grant County	46051	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
South Dakota	Grant County	46051	R	Hydrazine	1.36E-11	1.36E-11	1.36E-11	4.29E-11	5.72E-11	1.15E-10	1.15E-10	1.15E-10	0.00E+00	5.72E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Lead Compounds	7.89E-06	7.89E-06	7.89E-06	4.42E-05	3.46E-05	5.17E-05	5.17E-05	5.17E-05	1.77E-06	2.88E-05	0.00E+00	3.96E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Manganese Compounds	1.78E-05	1.78E-05	1.78E-05	2.47E-05	2.26E-05	2.53E-05	2.53E-05	2.53E-05	1.30E-05	9.03E-06	3.51E-07	2.88E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	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	3.27E-10	2.07E-07	2.37E-06	3.34E-06	1.50E-03	1.50E-03	1.50E-03
South Dakota	Grant County	46051	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	1.54E-01	1.54E-01	1.54E-01	1.28E-06	2.49E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01
South Dakota	Grant County	46051	R	Nickel Compounds	3.16E-06	3.16E-06	3.16E-06	4.87E-06	6.53E-06	1.16E-05	1.16E-05	1.16E-05	1.16E-06	4.06E-06	8.77E-07	4.27E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.89E-07	1.70E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.40E-01
South Dakota	Grant County	46051	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.84E-04	3.88E-04	3.88E-04	3.88E-04	0.00E+00	3.83E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04	3.80E-04
South Dakota	Grant County	46051	R	Polycyclic Organic Matter	1.64E-03	1.64E-03	1.64E-03	2.22E-03	2.48E-03	3.58E-03	3.58E-03	3.58E-03	8.33E-08	1.92E-03	3.94E-04	1.67E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	7-PAH	2.30E-04	2.30E-04	2.30E-04	2.39E-04	2.98E-04	4.25E-04	4.25E-04	4.25E-04	1.70E-09	2.93E-04	3.00E-06	1.94E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Propylene Dichloride	1.18E-07	1.18E-07	1.18E-07	1.44E-07	1.62E-07	2.24E-07	2.24E-07	2.24E-07	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Quinoline	3.57E-10	3.57E-10	3.57E-10	8.47E-10	1.23E-09	2.48E-09	2.48E-09	2.48E-09	0.00E+00	1.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	1,1,2,2-Tetrachloroethane	6.86E-07	6.86E-07	6.86E-07	1.19E-06	1.20E-06	1.72E-06	1.72E-06	1.72E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Grant County	46051	R	Trichloroethylene	8.15E-02	8.15E-02	8.15E-02	8.15E-02	8.17E-02	8.20E-02	8.20E-02	8.20E-02	0.00E+00	6.56E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02	8.10E-02
South Dakota	Grant County	46051	R	Vinyl Chloride	4.26E-06	4.26E-06	4.26E-06	4.46E-06	4.46E-06	4.65E-06	4.65E-06	4.65E-06	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Acetaldehyde	3.57E-02	3.57E-02	3.57E-02	5.50E-02	5.50E-02	7.43E-02	7.43E-02	7.43E-02	0.00E+00	4.07E-02	3.52E-03	1.08E-02	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Acrolein	2.06E-02	2.06E-02	2.06E-02	2.20E-02	2.20E-02	2.33E-02	2.33E-02	2.33E-02	0.00E+00	2.13E-02	3.85E-04	2.95E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Acrylonitrile	1.42E-06	1.42E-06	1.42E-06	3.30E-06	3.30E-06	5.19E-06	5.19E-06	5.19E-06	0.00E+00	3.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Arsenic Compounds	1.83E-06	1.83E-06	1.83E-06	2.25E-06	2.25E-06	2.68E-06	2.68E-06	2.68E-06	0.00E+00	5.81E-08	5.59E-07	1.63E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Benzene	5.25E-01	5.25E-01	5.25E-01	5.27E-01	5.27E-01	5.29E-01	5.29E-01	5.29E-01	0.00E+00	3.87E-02	4.69E-03	3.40E-03	4.80E-01	4.80E-01	4.80E-01
South Dakota	Gregory County	46053	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
South Dakota	Gregory County	46053	R	Beryllium Compounds	2.19E-08	2.19E-08	2.19E-08	3.38E-08	3.38E-08	4.56E-08	4.56E-08	4.56E-08	0.00E+00	3.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	1,3-Butadiene	5.23E-03	5.23E-03	5.23E-03	5.74E-03	5.74E-03	6.24E-03	6.24E-03	6.24E-03	0.00E+00	5.25E-03	3.08E-04	1.81E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Cadmium Compounds	4.09E-08	4.09E-08	4.09E-08	5.21E-08	5.21E-08	6.33E-08	6.33E-08	6.33E-08	0.00E+00	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	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	8.22E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02	4.70E-02
South Dakota	Gregory County	46053	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	3.08E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01	8.80E-01
South Dakota	Gregory County	46053	R	Chloroform	8.33E-02	8.33E-02	8.33E-02	8.34E-02	8.34E-02	8.35E-02	8.35E-02	8.35E-02	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	8.30E-02	8.30E-02
South Dakota	Gregory County	46053	R	Chromium Compounds (includes Hexavalent)	3.25E-07	3.25E-07	3.25E-07	3.91E-07	3.91E-07	4.57E-07	4.57E-07	4.57E-07	0.00E+00	4.64E-08	3.17E-07	2.78E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Chromium VI	1.32E-07	1.32E-07	1.32E-07	1.55E-07	1.55E-07	1.79E-07	1.79E-07	1.79E-07	0.00E+00	2.18E-08	1.24E-07	9.44E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	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
South Dakota	Gregory County	46053	R	1,4-Dichlorobenzene	1.50E-04	1.50E-04	1.50E-04	2.02E-04	2.02E-04	2.53E-04	2.53E-04	2.53E-04	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	1,3-Dichloropropene	2.98E-04	2.98E-04	2.98E-04	3.99E-04	3.99E-04	5.00E-04	5.00E-04	5.00E-04	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	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	1.45E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03	7.70E-03
South Dakota	Gregory County	46053	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	3.25E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02	6.10E-02
South Dakota	Gregory County	46053	R	Ethylene Oxide	5.37E-06	5.37E-06	5.37E-06	1.04E-05	1.04E-05	1.54E-05	1.54E-05	1.54E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Formaldehyde	3.53E-01	3.53E-01	3.53E-01	3.74E-01	3.74E-01	3.94E-01	3.94E-01	3.94E-01	0.00E+00	1.08E-01	2.57E-03	1.34E-02	2.50E-01	2.50E-01	2.50E-01
South Dakota	Gregory County	46053	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	5.63E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05	9.30E-05
South Dakota	Gregory County	46053	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	1.26E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03	1.80E-03
South Dakota	Gregory County	46053	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
South Dakota	Gregory County	46053	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
South Dakota	Gregory County	46053	R	Lead Compounds	1.78E-06	1.78E-06	1.78E-06	2.16E-06	2.16E-06	2.53E-06	2.53E-06	2.53E-06	0.00E+00	2.10E-06	0.00E+00	5.90E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	R	Manganese Compounds	4.60E-07	4.60E-07	4.60E-07	1.03E-06	1.03E-06	1.60E-06	1.60E-06	1.60E-06	0.00E+00	8.19E-07	8.82E-08	1.23E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	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	0.00E+00	7.04E-08	6.55E-07	1.42E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Gregory County	46053	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	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01	1.50E-01
South Dakota	Gregory County	46053	R	Nickel Compounds	7.68E-07	7.68E-07	7.68E-07	9											

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

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		
South Dakota	Haakon County	46055	R	Benzene	5.34E-01	5.34E-01	5.34E-01	5.34E-01	5.34E-01	5.34E-01	5.34E-01	5.34E-01	5.34E-01	0.00E+00	4.99E-02	2.35E-03	1.79E-03	4.80E-01	
South Dakota	Haakon County	46055	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
South Dakota	Haakon County	46055	R	Beryllium Compounds	1.23E-08	1.23E-08	1.23E-08	1.23E-08	1.23E-08	1.23E-08	1.23E-08	1.23E-08	1.23E-08	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	R	1,3-Butadiene	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	0.00E+00	7.71E-03	1.14E-04	1.11E-04	0.00E+00	
South Dakota	Haakon County	46055	R	Cadmium Compounds	2.41E-08	2.41E-08	2.41E-08	2.41E-08	2.41E-08	2.41E-08	2.41E-08	2.41E-08	2.41E-08	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	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	0.00E+00	2.56E-06	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Haakon County	46055	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	9.77E-07	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Haakon County	46055	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	4.57E-06	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Haakon County	46055	R	Chromium Compounds (includes Hexavalent)	1.84E-07	1.84E-07	1.84E-07	1.84E-07	1.84E-07	1.84E-07	1.84E-07	1.84E-07	1.84E-07	0.00E+00	1.88E-08	1.51E-07	1.39E-08	0.00E+00	
South Dakota	Haakon County	46055	R	Chromium VI	7.29E-08	7.29E-08	7.29E-08	7.29E-08	7.29E-08	7.29E-08	7.29E-08	7.29E-08	7.29E-08	0.00E+00	8.55E-09	5.96E-08	4.72E-09	0.00E+00	
South Dakota	Haakon County	46055	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
South Dakota	Haakon County	46055	R	1,4-Dichlorobenzene	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	6.03E-05	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	R	1,3-Dichloropropene	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	1.20E-04	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	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	7.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Haakon County	46055	R	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	6.10E-02	0.00E+00	8.84E-08	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Haakon County	46055	R	Ethylene Oxide	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	2.34E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	R	Formaldehyde	3.89E-01	3.89E-01	3.89E-01	3.89E-01	3.89E-01	3.89E-01	3.89E-01	3.89E-01	3.89E-01	0.00E+00	1.28E-01	1.30E-03	9.68E-03	2.50E-01	
South Dakota	Haakon County	46055	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	3.54E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Haakon County	46055	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	4.10E-10	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Haakon County	46055	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
South Dakota	Haakon County	46055	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
South Dakota	Haakon County	46055	R	Lead Compounds	5.34E-05	5.34E-05	5.34E-05	5.34E-05	5.34E-05	5.34E-05	5.34E-05	5.34E-05	5.34E-05	0.00E+00	1.35E-06	0.00E+00	5.20E-05	0.00E+00	
South Dakota	Haakon County	46055	R	Manganese Compounds	1.92E-07	1.92E-07	1.92E-07	1.92E-07	1.92E-07	1.92E-07	1.92E-07	1.92E-07	1.92E-07	0.00E+00	8.94E-08	4.37E-08	5.94E-08	0.00E+00	
South Dakota	Haakon County	46055	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	1.50E-03	0.00E+00	1.92E-08	2.99E-07	6.74E-07	1.50E-03	
South Dakota	Haakon County	46055	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	0.00E+00	2.54E-04	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Haakon County	46055	R	Nickel Compounds	6.06E-07	6.06E-07	6.06E-07	6.06E-07	6.06E-07	6.06E-07	6.06E-07	6.06E-07	6.06E-07	0.00E+00	4.09E-07	1.13E-07	8.39E-08	0.00E+00	
South Dakota	Haakon County	46055	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	1.40E-01	0.00E+00	3.20E-05	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Haakon County	46055	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	6.68E-07	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Haakon County	46055	R	Polycyclic Organic Matter	2.74E-03	2.74E-03	2.74E-03	2.74E-03	2.74E-03	2.74E-03	2.74E-03	2.74E-03	2.74E-03	0.00E+00	2.65E-03	5.31E-05	4.09E-05	0.00E+00	
South Dakota	Haakon County	46055	R	7-PAH	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	1.04E-03	0.00E+00	1.04E-03	3.72E-07	4.24E-07	0.00E+00	
South Dakota	Haakon County	46055	R	Propylene Dichloride	6.80E-09	6.80E-09	6.80E-09	6.80E-09	6.80E-09	6.80E-09	6.80E-09	6.80E-09	6.80E-09	0.00E+00	6.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	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
South Dakota	Haakon County	46055	R	1,1,2,2-Tetrachloroethane	1.06E-09	1.06E-09	1.06E-09	1.06E-09	1.06E-09	1.06E-09	1.06E-09	1.06E-09	1.06E-09	0.00E+00	1.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Haakon County	46055	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	0.00E+00	3.46E-05	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Haakon County	46055	R	Vinyl Chloride	3.93E-09	3.93E-09	3.93E-09	3.93E-09	3.93E-09	3.93E-09	3.93E-09	3.93E-09	3.93E-09	0.00E+00	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hamlin County	46057	R	Acetaldehyde	3.13E-02	3.13E-02	3.13E-02	3.99E-02	3.99E-02	4.85E-02	4.85E-02	4.85E-02	4.85E-02	0.00E+00	5.58E-03	1.68E-02	1.75E-02	0.00E+00	
South Dakota	Hamlin County	46057	R	Acrolein	3.59E-03	3.59E-03	3.59E-03	4.20E-03	4.20E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	0.00E+00	1.86E-03	1.72E-03	6.15E-04	0.00E+00	
South Dakota	Hamlin County	46057	R	Acrylonitrile	5.93E-06	5.93E-06	5.93E-06	3.14E-05	3.14E-05	5.69E-05	5.69E-05	5.69E-05	5.69E-05	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hamlin County	46057	R	Arsenic Compounds	4.35E-06	4.35E-06	4.35E-06	5.61E-06	5.61E-06	6.86E-06	6.86E-06	6.86E-06	6.86E-06	0.00E+00	2.44E-07	2.17E-06	3.20E-06	0.00E+00	
South Dakota	Hamlin County	46057	R	Benzene	5.07E-01	5.07E-01	5.07E-01	5.18E-01	5.18E-01	5.29E-01	5.29E-01	5.29E-01	5.29E-01	0.00E+00	1.20E-02	1.92E-02	6.75E-03	4.80E-01	
South Dakota	Hamlin County	46057	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
South Dakota	Hamlin County	46057	R	Beryllium Compounds	8.70E-08	8.70E-08	8.70E-08	1.27E-07	1.27E-07	1.67E-07	1.67E-07	1.67E-07	1.67E-07	0.00E+00	1.18E-07	0.00E+00	9.48E-09	0.00E+00	
South Dakota	Hamlin County	46057	R	1,3-Butadiene	1.19E-03	1.19E-03	1.19E-03	1.81E-03	1.81E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	0.00E+00	3.77E-04	1.07E-03	3.68E-04	0.00E+00	
South Dakota	Hamlin County	46057	R	Cadmium Compounds	1.45E-07	1.45E-07	1.45E-07	1.98E-07	1.98E-07	2.52E-07	2.52E-07	2.52E-07	2.52E-07	0.00E+00	1.89E-07	0.00E+00	9.43E-09	0.00E+00	
South Dakota	Hamlin County	46057	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	4.71E-02	0.00E+00	3.46E-05	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Hamlin County	46057	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	1.07E-05	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Hamlin County	46057	R	Chloroform	8.33E-02	8.33E-02	8.33E-02	8.35E-02	8.35E-02	8.36E-02	8.36E-02	8.36E-02	8.36E-02	0.00E+00	4.66E-04	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Hamlin County	46057	R	Chromium Compounds (includes Hexavalent)	8.92E-07	8.92E-07	8.92E-07	3.05E-05	3.05E-05	6.02E-05	6.02E-05	6.02E-05	6.02E-05	0.00E+00	2.92E-05	1.31E-06	6.27E-08	0.00E+00	
South Dakota	Hamlin County	46057	R	Chromium VI	4.10E-07	4.10E-07	4.10E-07	1.05E-05	1.05E-05	2.07E-05	2.07E-05	2.07E-05	2.07E-05	0.00E+00	9.98E-06	5.39E-07	2.13E-08	0.00E+00	
South Dakota	Hamlin County	46057	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
South Dakota	Hamlin County	46057	R	1,4-Dichlorobenzene	4.71E-04	4.71E-04	4.71E-04	7.19E-04	7.19E-04	9.68E-04	9.68E-04	9.68E-04	9.68E-04	0.00E+00	7.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hamlin County	46057	R	1,3-Dichloropropene	9.13E-04	9.13E-04	9.13E-04	1.38E-03	1.38E-03	1.85E-03	1.85E-03	1.85E-03	1.85E-03	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hamlin County																		

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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		
South Dakota	Hanson County	46061	R	1,4-Dichlorobenzene	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	5.93E-04	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	1,3-Dichloropropene	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	1.16E-03	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	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	2.38E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Hanson County	46061	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	2.24E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Hanson County	46061	R	Ethylene Oxide	2.02E-05	2.02E-05	2.02E-05	2.02E-05	2.02E-05	2.02E-05	2.02E-05	2.02E-05	2.02E-05	0.00E+00	2.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	Formaldehyde	3.42E-01	3.42E-01	3.42E-01	3.42E-01	3.42E-01	3.42E-01	3.42E-01	3.42E-01	3.42E-01	0.00E+00	5.31E-02	1.06E-02	2.83E-02	2.50E-01	3.42E-01
South Dakota	Hanson County	46061	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	9.31E-05	0.00E+00	1.08E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Hanson County	46061	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	3.74E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Hanson County	46061	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
South Dakota	Hanson County	46061	R	Hydrazine	1.11E-09	1.11E-09	1.11E-09	1.11E-09	1.11E-09	1.11E-09	1.11E-09	1.11E-09	1.11E-09	0.00E+00	1.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	Lead Compounds	3.20E-05	3.20E-05	3.20E-05	3.20E-05	3.20E-05	3.20E-05	3.20E-05	3.20E-05	3.20E-05	0.00E+00	4.56E-06	0.00E+00	2.74E-05	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	Manganese Compounds	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	1.83E-04	0.00E+00	1.82E-04	6.94E-07	3.97E-07	2.67E-07	0.00E+00
South Dakota	Hanson County	46061	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	0.00E+00	3.89E-07	2.42E-06	3.14E-06	1.50E-03	1.51E-03
South Dakota	Hanson County	46061	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	1.52E-01	0.00E+00	2.34E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01
South Dakota	Hanson County	46061	R	Nickel Compounds	4.24E-06	4.24E-06	4.24E-06	4.24E-06	4.24E-06	4.24E-06	4.24E-06	4.24E-06	4.24E-06	0.00E+00	2.92E-06	9.47E-07	3.70E-07	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	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	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-01
South Dakota	Hanson County	46061	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	3.84E-04	0.00E+00	4.34E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
South Dakota	Hanson County	46061	R	Polycyclic Organic Matter	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	2.58E-03	0.00E+00	2.02E-03	4.31E-04	1.39E-04	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	7-PAH	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	3.39E-04	0.00E+00	3.35E-04	3.13E-06	1.03E-06	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	Propylene Dichloride	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	0.00E+00	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	Quinoline	1.85E-08	1.85E-08	1.85E-08	1.85E-08	1.85E-08	1.85E-08	1.85E-08	1.85E-08	1.85E-08	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hanson County	46061	R	1,1,2,2-Tetrachloroethane	8.10E-06	8.10E-06	8.10E-06	8.10E-06	8.10E-06	8.10E-06	8.10E-06	8.10E-06	8.10E-06	0.00E+00	8.10E-06	0.00E+00	0.00E+00	0.00E+00	8.10E-06
South Dakota	Hanson County	46061	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	2.55E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Hanson County	46061	R	Vinyl Chloride	2.05E-05	2.05E-05	2.05E-05	2.05E-05	2.05E-05	2.05E-05	2.05E-05	2.05E-05	2.05E-05	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Acetaldehyde	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	0.00E+00	5.96E-02	5.00E-04	3.33E-03	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Acrolein	4.05E-02	4.05E-02	4.05E-02	4.05E-02	4.05E-02	4.05E-02	4.05E-02	4.05E-02	4.05E-02	0.00E+00	4.03E-02	5.92E-05	7.32E-05	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Acrylonitrile	9.67E-08	9.67E-08	9.67E-08	9.67E-08	9.67E-08	9.67E-08	9.67E-08	9.67E-08	9.67E-08	0.00E+00	9.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Arsenic Compounds	4.44E-07	4.44E-07	4.44E-07	4.44E-07	4.44E-07	4.44E-07	4.44E-07	4.44E-07	4.44E-07	0.00E+00	7.02E-09	7.15E-08	3.66E-07	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Benzene	5.52E-01	5.52E-01	5.52E-01	5.52E-01	5.52E-01	5.52E-01	5.52E-01	5.52E-01	5.52E-01	0.00E+00	7.04E-02	6.91E-04	7.36E-04	4.80E-01	5.52E-01
South Dakota	Harding County	46063	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
South Dakota	Harding County	46063	R	Beryllium Compounds	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	4.30E-09	0.00E+00	4.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	1,3-Butadiene	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	1.07E-02	0.00E+00	1.06E-02	4.29E-05	4.73E-05	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Cadmium Compounds	7.97E-09	7.97E-09	7.97E-09	7.97E-09	7.97E-09	7.97E-09	7.97E-09	7.97E-09	7.97E-09	0.00E+00	7.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	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	0.00E+00	1.08E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	Harding County	46063	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	4.20E-07	0.00E+00	0.00E+00	0.00E+00	8.80E-01
South Dakota	Harding County	46063	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	1.97E-06	0.00E+00	0.00E+00	0.00E+00	8.30E-02
South Dakota	Harding County	46063	R	Chromium Compounds (includes Hexavalent)	5.28E-08	5.28E-08	5.28E-08	5.28E-08	5.28E-08	5.28E-08	5.28E-08	5.28E-08	5.28E-08	0.00E+00	5.30E-09	4.16E-08	5.97E-09	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Chromium VI	1.90E-08	1.90E-08	1.90E-08	1.90E-08	1.90E-08	1.90E-08	1.90E-08	1.90E-08	1.90E-08	0.00E+00	2.27E-09	1.47E-08	2.03E-09	0.00E+00	0.00E+00
South Dakota	Harding County	46063	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
South Dakota	Harding County	46063	R	1,4-Dichlorobenzene	2.79E-05	2.79E-05	2.79E-05	2.79E-05	2.79E-05	2.79E-05	2.79E-05	2.79E-05	2.79E-05	0.00E+00	2.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	1,3-Dichloropropene	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	5.51E-05	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Harding County	46063	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	1.50E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Harding County	46063	R	Ethylene Oxide	5.56E-08	5.56E-08	5.56E-08	5.56E-08	5.56E-08	5.56E-08	5.56E-08	5.56E-08	5.56E-08	0.00E+00	5.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Formaldehyde	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	0.00E+00	1.83E-01	3.71E-04	4.22E-03	2.50E-01	4.38E-01
South Dakota	Harding County	46063	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	1.63E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Harding County	46063	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	1.73E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Harding County	46063	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
South Dakota	Harding County	46063	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
South Dakota	Harding County	46063	R	Lead Compounds	3.14E-08	3.14E-08	3.14E-08	3.14E-08	3.14E-08	3.14E-08	3.14E-08	3.14E-08	3.14E-08	0.00E+00	1.51E-08	0.00E+00	1.63E-08	0.00E+00	0.00E+00
South Dakota	Harding County	46063	R	Manganese Compounds	7.38E-08	7.38E-08	7.38E												

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 Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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	
South Dakota	Hughes County	46065	U	Acrolein	2.35E-02	2.35E-02	4.64E-02	7.98E-02	1.30E-01	2.48E-01	2.51E-01	2.51E-01	0.00E+00	1.26E-01	2.74E-03	1.02E-03	0.00E+00	
South Dakota	Hughes County	46065	U	Acrylonitrile	2.60E-06	2.60E-06	6.32E-06	7.15E-06	3.39E-05	7.60E-05	7.73E-05	7.73E-05	0.00E+00	3.39E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hughes County	46065	U	Arsenic Compounds	1.95E-06	1.95E-06	5.15E-06	1.09E-05	1.14E-05	1.97E-05	1.97E-05	1.97E-05	0.00E+00	2.53E-06	5.02E-06	3.87E-06	0.00E+00	
South Dakota	Hughes County	46065	U	Benzene	5.33E-01	5.33E-01	5.85E-01	7.53E-01	8.67E-01	1.22E+00	1.24E+00	1.24E+00	0.00E+00	3.03E-01	6.48E-02	1.89E-02	4.80E-01	
South Dakota	Hughes County	46065	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
South Dakota	Hughes County	46065	U	Beryllium Compounds	1.75E-08	1.75E-08	1.23E-07	1.17E-06	1.32E-06	2.61E-06	2.67E-06	2.67E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	1,3-Butadiene	5.58E-03	5.58E-03	1.22E-02	4.42E-02	8.29E-02	1.76E-01	1.77E-01	1.77E-01	0.00E+00	7.47E-02	6.62E-03	1.52E-03	0.00E+00	
South Dakota	Hughes County	46065	U	Cadmium Compounds	2.74E-08	2.74E-08	1.80E-07	1.47E-06	1.58E-06	3.08E-06	3.15E-06	3.15E-06	0.00E+00	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.74E-02	4.80E-02	4.80E-02	4.80E-02	0.00E+00	4.16E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
South Dakota	Hughes County	46065	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	9.33E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	Hughes County	46065	U	Chloroform	8.33E-02	8.33E-02	8.58E-02	1.03E-01	1.02E-01	1.18E-01	1.19E-01	1.19E-01	0.00E+00	1.90E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Hughes County	46065	U	Chromium Compounds (includes Hexavalent)	4.49E-07	4.49E-07	7.75E-07	5.61E-06	5.75E-06	1.08E-05	1.11E-05	1.11E-05	0.00E+00	1.84E-06	3.71E-06	1.90E-07	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Chromium VI	1.74E-07	1.74E-07	3.14E-07	2.30E-06	2.44E-06	4.66E-06	4.77E-06	4.77E-06	0.00E+00	8.75E-07	1.51E-06	6.47E-08	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	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
South Dakota	Hughes County	46065	U	1,4-Dichlorobenzene	1.37E-04	1.37E-04	6.79E-04	7.06E-03	6.50E-03	1.22E-02	1.25E-02	1.25E-02	0.00E+00	6.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	1,3-Dichloropropene	2.65E-04	2.65E-04	1.34E-03	1.44E-02	1.32E-02	2.48E-02	2.54E-02	2.54E-02	0.00E+00	1.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	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	2.46E-08	0.00E+00	0.00E+00	7.70E-03	0.00E+00
South Dakota	Hughes County	46065	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	0.00E+00	2.53E-06	0.00E+00	0.00E+00	6.10E-02	0.00E+00
South Dakota	Hughes County	46065	U	Ethylene Oxide	1.79E-06	1.79E-06	1.70E-05	9.42E-05	2.41E-04	5.45E-04	5.49E-04	5.49E-04	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Formaldehyde	4.00E-01	4.00E-01	6.59E-01	6.93E-01	1.06E+00	1.76E+00	1.77E+00	1.77E+00	0.00E+00	7.53E-01	2.90E-02	2.46E-02	2.50E-01	0.00E+00
South Dakota	Hughes County	46065	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	7.28E-08	0.00E+00	0.00E+00	9.30E-05	0.00E+00
South Dakota	Hughes County	46065	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	5.17E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	Hughes County	46065	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
South Dakota	Hughes County	46065	U	Hydrazine	6.90E-12	6.90E-12	1.17E-10	7.94E-09	9.77E-09	2.03E-08	2.05E-08	2.05E-08	0.00E+00	9.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Lead Compounds	1.73E-05	1.73E-05	2.31E-04	4.77E-04	8.33E-04	6.44E-04	2.79E-03	2.79E-03	0.00E+00	4.33E-05	0.00E+00	7.89E-04	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Manganese Compounds	3.14E-07	3.14E-07	1.09E-06	6.17E-06	6.19E-06	1.15E-05	1.18E-05	1.18E-05	0.00E+00	4.69E-06	1.18E-06	3.25E-07	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	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	0.00E+00	2.78E-06	5.31E-06	3.20E-06	1.50E-03	0.00E+00
South Dakota	Hughes County	46065	U	Methylene Chloride	1.50E-01	1.50E-01	1.53E-01	1.69E-01	1.78E-01	2.09E-01	2.10E-01	2.10E-01	0.00E+00	2.82E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Hughes County	46065	U	Nickel Compounds	6.44E-07	6.44E-07	2.01E-06	1.25E-05	1.94E-05	4.06E-05	4.11E-05	4.11E-05	0.00E+00	1.62E-05	2.72E-06	5.00E-07	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.49E-01	1.50E-01	1.56E-01	1.56E-01	1.56E-01	0.00E+00	9.91E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	Hughes County	46065	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	9.17E-07	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	Hughes County	46065	U	Polycyclic Organic Matter	2.46E-03	2.46E-03	5.63E-03	1.86E-02	2.22E-02	4.12E-02	4.34E-02	4.34E-02	0.00E+00	2.03E-02	1.34E-03	5.95E-04	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	7-PAH	8.52E-04	8.52E-04	1.66E-03	3.44E-03	5.84E-03	1.16E-02	1.17E-02	1.17E-02	0.00E+00	5.82E-03	7.33E-06	5.82E-06	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Propylene Dichloride	1.46E-07	1.46E-07	3.28E-07	4.89E-07	1.34E-06	2.84E-06	2.91E-06	2.91E-06	0.00E+00	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Quinoline	1.56E-10	1.56E-10	2.08E-09	2.34E-08	2.81E-08	5.67E-08	5.79E-08	5.79E-08	0.00E+00	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	1,1,2,2-Tetrachloroethane	1.22E-06	1.22E-06	1.77E-06	2.23E-06	2.32E-06	2.84E-06	3.56E-06	3.56E-06	0.00E+00	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hughes County	46065	U	Trichloroethylene	8.10E-02	8.10E-02	8.13E-02	8.29E-02	8.50E-02	9.00E-02	9.00E-02	9.00E-02	0.00E+00	4.05E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00
South Dakota	Hughes County	46065	U	Vinyl Chloride	3.00E-06	3.00E-06	5.05E-06	5.57E-06	6.70E-06	9.05E-06	1.08E-05	1.08E-05	0.00E+00	6.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Acetaldehyde	4.55E-02	4.55E-02	4.55E-02	8.24E-02	7.66E-02	1.02E-01	1.02E-01	1.02E-01	0.00E+00	4.25E-02	1.16E-02	2.25E-02	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Acrolein	7.77E-03	7.77E-03	7.77E-03	6.68E-03	8.90E-03	1.02E-02	1.02E-02	1.02E-02	0.00E+00	7.12E-03	1.20E-03	5.73E-04	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Acrylonitrile	3.66E-06	3.66E-06	3.66E-06	6.27E-06	7.64E-06	1.30E-05	1.30E-05	1.30E-05	0.00E+00	7.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Arsenic Compounds	5.23E-06	5.23E-06	5.23E-06	5.63E-06	5.63E-06	6.02E-06	6.02E-06	6.02E-06	0.00E+00	1.90E-07	1.59E-06	3.85E-06	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Benzene	5.12E-01	5.12E-01	5.12E-01	5.18E-01	5.17E-01	5.22E-01	5.22E-01	5.22E-01	0.00E+00	1.85E-02	1.37E-02	4.94E-03	4.80E-01	0.00E+00
South Dakota	Hutchinson County	46067	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
South Dakota	Hutchinson County	46067	R	Beryllium Compounds	9.99E-08	9.99E-08	9.99E-08	1.22E-07	1.26E-07	1.57E-07	1.57E-07	1.57E-07	0.00E+00	9.74E-08	0.00E+00	2.90E-08	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	1,3-Butadiene	2.52E-03	2.52E-03	2.52E-03	2.56E-03	3.03E-03	4.02E-03	4.02E-03	4.02E-03	0.00E+00	1.90E-03	8.08E-04	3.29E-04	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Cadmium Compounds	1.35E-07	1.35E-07	1.35E-07	1.88E-07	2.21E-07	2.21E-07	2.21E-07	2.21E-07	0.00E+00	1.59E-07	0.00E+00	2.89E-08	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	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	0.00E+00	4.75E-05	0.00E+00	0.00E+00	4.70E-02	0.00E+00
South Dakota	Hutchinson County	46067	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	8.15E-06	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	Hutchinson County	46067	R	Chloroform	8.34E-02	8.34E-02	8.34E-02	8.36E-02	8.36E-02	8.38E-02	8.38E-02	8.38E-02	0.00E+00	6.18E-04	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Hutchinson County	46067	R	Chromium Compounds (includes Hexavalent)	8.83E-07	8.83E-07	8.83E-07	1.21E-06	1.46E-06	2.30E-06	2.30E-06	2.30E-06	0.00E+00	4.76E-07	9.35E-07	5.04E-08	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	R	Chromium VI	3.44E-07	3.44E-07	3.44E-07	4.81E-07	7.73E-07	1.49E-06	1.49E-06	1.49E-06	0.00E+00	3.92E-07	3.63E-07	1.71E-08	0.00E+00	0.00E+00
South Dakota	Hutchinson County	46067	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
South Dakota	Hutchinson County	46067	R	1,4-Dichlorobenzene	3.93E-04	3.93												

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

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	
South Dakota	Hutchinson County	46067	R	Manganese Compounds	8.82E-07	8.82E-07	8.82E-07	8.41E-06	6.71E-05	1.92E-04	1.92E-04	1.92E-04	6.36E-05	2.92E-06	2.92E-07	2.87E-07	0.00E+00	
South Dakota	Hutchinson County	46067	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	0.00E+00	3.51E-07	1.91E-06	3.38E-06	1.50E-03	
South Dakota	Hutchinson County	46067	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	0.00E+00	2.04E-03	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Hutchinson County	46067	R	Nickel Compounds	2.23E-06	2.23E-06	2.23E-06	4.30E-06	3.85E-06	5.02E-06	5.02E-06	5.02E-06	0.00E+00	2.74E-06	7.09E-07	3.98E-07	0.00E+00	
South Dakota	Hutchinson County	46067	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	0.00E+00	7.20E-04	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Hutchinson County	46067	R	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	3.86E-04	3.86E-04	3.89E-04	3.89E-04	3.89E-04	0.00E+00	5.99E-06	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Hutchinson County	46067	R	Polycyclic Organic Matter	1.87E-03	1.87E-03	1.87E-03	2.50E-03	2.40E-03	2.84E-03	2.84E-03	2.84E-03	0.00E+00	1.93E-03	3.24E-04	1.45E-04	0.00E+00	
South Dakota	Hutchinson County	46067	R	7-PAH	3.09E-04	3.09E-04	3.09E-04	3.18E-04	3.52E-04	4.30E-04	4.30E-04	4.30E-04	0.00E+00	3.49E-04	2.38E-06	9.41E-07	0.00E+00	
South Dakota	Hutchinson County	46067	R	Propylene Dichloride	2.03E-07	2.03E-07	2.03E-07	3.85E-07	4.61E-07	7.95E-07	7.95E-07	7.95E-07	0.00E+00	4.61E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hutchinson County	46067	R	Quinoline	5.37E-09	5.37E-09	5.37E-09	6.95E-09	7.83E-09	1.12E-08	1.12E-08	1.12E-08	0.00E+00	7.83E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hutchinson County	46067	R	1,1,2,2-Tetrachloroethane	7.05E-07	7.05E-07	7.05E-07	2.77E-06	3.05E-06	5.68E-06	5.68E-06	5.68E-06	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hutchinson County	46067	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.13E-02	8.12E-02	8.13E-02	8.13E-02	8.13E-02	0.00E+00	2.29E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Hutchinson County	46067	R	Vinyl Chloride	1.96E-06	1.96E-06	1.96E-06	6.99E-06	7.77E-06	1.44E-05	1.44E-05	1.44E-05	0.00E+00	7.77E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Acetaldehyde	4.00E-02	4.00E-02	4.00E-02	5.71E-02	5.71E-02	7.41E-02	7.41E-02	7.41E-02	0.00E+00	4.14E-02	2.82E-03	1.28E-02	0.00E+00	
South Dakota	Hyde County	46069	R	Acrolein	1.74E-02	1.74E-02	1.74E-02	1.80E-02	1.86E-02	1.86E-02	1.86E-02	1.86E-02	0.00E+00	1.73E-02	3.49E-04	3.04E-04	0.00E+00	
South Dakota	Hyde County	46069	R	Acrylonitrile	4.29E-07	4.29E-07	4.29E-07	2.09E-06	2.09E-06	3.75E-06	3.75E-06	3.75E-06	0.00E+00	2.09E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Arsenic Compounds	1.79E-06	1.79E-06	1.79E-06	1.80E-06	1.80E-06	1.81E-06	1.81E-06	1.81E-06	0.00E+00	2.74E-08	3.87E-07	1.39E-06	0.00E+00	
South Dakota	Hyde County	46069	R	Benzene	5.17E-01	5.17E-01	5.17E-01	5.17E-01	5.17E-01	5.17E-01	5.17E-01	5.17E-01	0.00E+00	3.01E-02	3.47E-03	3.31E-03	4.80E-01	
South Dakota	Hyde County	46069	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	
South Dakota	Hyde County	46069	R	Beryllium Compounds	1.58E-08	1.58E-08	1.58E-08	1.59E-08	1.59E-08	1.61E-08	1.61E-08	1.61E-08	0.00E+00	1.59E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	1,3-Butadiene	1.69E-03	1.69E-03	1.69E-03	3.75E-03	3.75E-03	5.81E-03	5.81E-03	5.81E-03	0.00E+00	3.41E-03	1.60E-04	1.80E-04	0.00E+00	
South Dakota	Hyde County	46069	R	Cadmium Compounds	2.66E-08	2.66E-08	2.66E-08	3.04E-08	3.04E-08	3.41E-08	3.41E-08	3.41E-08	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	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	3.81E-06	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Hyde County	46069	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	1.48E-06	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Hyde County	46069	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	1.17E-05	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Hyde County	46069	R	Chromium Compounds (includes Hexavalent)	1.60E-07	1.60E-07	1.60E-07	2.68E-07	2.68E-07	3.77E-07	3.77E-07	3.77E-07	0.00E+00	2.11E-08	2.20E-07	2.70E-08	0.00E+00	
South Dakota	Hyde County	46069	R	Chromium VI	5.90E-08	5.90E-08	5.90E-08	1.01E-07	1.01E-07	1.43E-07	1.43E-07	1.43E-07	0.00E+00	9.12E-09	8.27E-08	9.19E-09	0.00E+00	
South Dakota	Hyde County	46069	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	
South Dakota	Hyde County	46069	R	1,4-Dichlorobenzene	8.29E-05	8.29E-05	8.29E-05	1.02E-04	1.02E-04	1.20E-04	1.20E-04	1.20E-04	0.00E+00	1.02E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	1,3-Dichloropropene	1.63E-04	1.63E-04	1.63E-04	1.98E-04	1.98E-04	2.34E-04	2.34E-04	2.34E-04	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	9.89E-10	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Hyde County	46069	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	2.25E-07	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Hyde County	46069	R	Ethylene Oxide	2.11E-07	2.11E-07	2.11E-07	4.03E-07	4.03E-07	5.94E-07	5.94E-07	5.94E-07	0.00E+00	4.03E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Formaldehyde	3.37E-01	3.37E-01	3.37E-01	3.69E-01	3.69E-01	4.00E-01	4.00E-01	4.00E-01	0.00E+00	1.00E-01	1.91E-03	1.67E-02	2.50E-01	
South Dakota	Hyde County	46069	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	4.81E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Hyde County	46069	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	5.72E-10	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Hyde County	46069	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	
South Dakota	Hyde County	46069	R	Hydrazine	2.37E-16	2.37E-16	2.37E-16	1.87E-15	1.87E-15	3.50E-15	3.50E-15	3.50E-15	0.00E+00	1.87E-15	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Lead Compounds	1.98E-07	1.98E-07	1.98E-07	3.73E-06	3.73E-06	7.25E-06	7.25E-06	7.25E-06	0.00E+00	1.99E-07	0.00E+00	3.53E-06	0.00E+00	
South Dakota	Hyde County	46069	R	Manganese Compounds	2.75E-07	2.75E-07	2.75E-07	2.77E-07	2.77E-07	2.79E-07	2.79E-07	2.79E-07	0.00E+00	1.11E-07	6.04E-08	1.05E-07	0.00E+00	
South Dakota	Hyde County	46069	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	0.00E+00	2.98E-08	4.77E-07	1.20E-06	1.50E-03	
South Dakota	Hyde County	46069	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	0.00E+00	3.64E-04	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Hyde County	46069	R	Nickel Compounds	3.69E-07	3.69E-07	3.69E-07	4.19E-07	4.19E-07	4.69E-07	4.69E-07	4.69E-07	0.00E+00	1.03E-07	1.69E-07	1.46E-07	0.00E+00	
South Dakota	Hyde County	46069	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	1.22E-04	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Hyde County	46069	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	9.76E-07	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Hyde County	46069	R	Polycyclic Organic Matter	1.84E-03	1.84E-03	1.84E-03	1.94E-03	1.94E-03	2.05E-03	2.05E-03	2.05E-03	0.00E+00	1.81E-03	8.23E-05	5.36E-05	0.00E+00	
South Dakota	Hyde County	46069	R	7-PAH	6.03E-04	6.03E-04	6.03E-04	6.53E-04	6.53E-04	7.04E-04	7.04E-04	7.04E-04	0.00E+00	6.52E-04	5.14E-07	8.87E-07	0.00E+00	
South Dakota	Hyde County	46069	R	Propylene Dichloride	1.76E-08	1.76E-08	1.76E-08	1.17E-07	1.17E-07	2.15E-07	2.15E-07	2.15E-07	0.00E+00	1.17E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Quinoline	5.33E-15	5.33E-15	5.33E-15	3.30E-14	3.30E-14	6.06E-14	6.06E-14	6.06E-14	0.00E+00	3.30E-14	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	1,1,2,2-Tetrachloroethane	8.89E-08	8.89E-08	8.89E-08	9.82E-07	9.82E-07	1.88E-06	1.88E-06	1.88E-06	0.00E+00	9.82E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Hyde County	46069	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	0.00E+00	3.70E-05	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Hyde County	46069	R	Vinyl Chloride	2.20E-07	2.20E-07	2.20E-07	2.42E-06	2.42E-06	4.62E-06	4.62E-06	4.62E-06	0.00E+00	2.42E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Jackson County	46071	R	Acetaldehyde	3.01E-02	3.01E-02	3.59E-02	6.14E-02	5.67E-02	7.44E-02	7.44E-02	7.44E-02	0.00E+00	4.68E-02	3.64E-03	6.24E-03	0.00E+00	
South Dakota	Jackson County	46071	R	Acrolein	2.42E-02	2.42E-02	3.88E-02	4.65E-02	4.78E-02	6.15E-02	6.95E-02	6.95E-02	0.00E+00	4.73E-02	3.90E-04	1.42E-04	0.00E+00	
South Dakota	Jackson County	46071	R	Acrylonitrile	1.33E-06	1.33E-06	1.44E-06	2.28E-06	5.07E-06	4.38E-06	1.87E-05	1.87E-05	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Jackson County	46071	R	Arsenic Compounds	6.89E-07	6.89E-07	6.96E-07	1.11E-06	1.33E-06	1.35E-06	3.04E-06	3.04E-06	0.00E+00	2.71E-08	4.87E-07	8.20E-07	0.00E+00	
South Dakota	Jackson County	46071	R	Benzene	5.24E-01	5.24E-01	5.41E-01	5.										

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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
South Dakota	Jackson County	46071	R	Chromium Compounds (includes Hexavalent)	1.20E-07	1.20E-07	1.34E-07	1.59E-07	3.20E-07	1.75E-07	1.17E-06	1.17E-06	0.00E+00	2.11E-08	2.89E-07	1.00E-08	0.00E+00
South Dakota	Jackson County	46071	R	Chromium VI	4.58E-08	4.58E-08	5.11E-08	6.00E-08	1.26E-07	6.78E-08	4.71E-07	4.71E-07	0.00E+00	8.71E-09	1.14E-07	3.40E-09	0.00E+00
South Dakota	Jackson County	46071	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
South Dakota	Jackson County	46071	R	1,4-Dichlorobenzene	7.08E-05	7.08E-05	8.45E-05	1.06E-04	1.04E-04	1.22E-04	1.36E-04	1.36E-04	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jackson County	46071	R	1,3-Dichloropropene	1.34E-04	1.34E-04	1.61E-04	2.06E-04	2.02E-04	2.43E-04	2.64E-04	2.64E-04	0.00E+00	2.02E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jackson County	46071	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	2.65E-09	0.00E+00	0.00E+00	7.70E-03
South Dakota	Jackson County	46071	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	5.85E-07	0.00E+00	0.00E+00	6.10E-02
South Dakota	Jackson County	46071	R	Ethylene Oxide	1.26E-06	1.26E-06	2.57E-06	3.86E-06	3.53E-06	4.64E-06	4.99E-06	4.99E-06	0.00E+00	3.53E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jackson County	46071	R	Formaldehyde	3.53E-01	3.53E-01	3.90E-01	4.63E-01	4.54E-01	5.13E-01	5.42E-01	5.42E-01	0.00E+00	1.93E-01	2.39E-03	8.56E-03	2.50E-01
South Dakota	Jackson County	46071	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	0.00E+00	3.21E-08	0.00E+00	0.00E+00	9.30E-05
South Dakota	Jackson County	46071	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	5.99E-10	0.00E+00	0.00E+00	1.80E-03
South Dakota	Jackson County	46071	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
South Dakota	Jackson County	46071	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
South Dakota	Jackson County	46071	R	Lead Compounds	1.35E-07	1.35E-07	3.14E-07	5.73E-07	4.67E-06	7.69E-06	1.87E-05	1.87E-05	0.00E+00	5.03E-07	0.00E+00	4.17E-06	0.00E+00
South Dakota	Jackson County	46071	R	Manganese Compounds	1.62E-07	1.62E-07	1.73E-07	1.89E-07	2.61E-07	2.48E-07	6.05E-07	6.05E-07	0.00E+00	1.12E-07	8.86E-08	6.09E-08	0.00E+00
South Dakota	Jackson County	46071	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	0.00E+00	3.32E-08	5.75E-07	7.10E-07	1.50E-03
South Dakota	Jackson County	46071	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.51E-01	1.51E-01	0.00E+00	4.51E-04	0.00E+00	0.00E+00	1.50E-01
South Dakota	Jackson County	46071	R	Nickel Compounds	1.85E-07	1.85E-07	2.22E-07	3.00E-07	4.80E-07	3.64E-07	1.51E-06	1.51E-06	0.00E+00	1.69E-07	2.26E-07	8.46E-08	0.00E+00
South Dakota	Jackson County	46071	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	5.13E-05	0.00E+00	0.00E+00	1.40E-01
South Dakota	Jackson County	46071	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	9.48E-07	0.00E+00	0.00E+00	3.80E-04
South Dakota	Jackson County	46071	R	Polycyclic Organic Matter	2.32E-03	2.32E-03	3.22E-03	4.55E-03	4.43E-03	5.63E-03	6.33E-03	6.33E-03	0.00E+00	4.30E-03	9.92E-05	3.02E-05	0.00E+00
South Dakota	Jackson County	46071	R	7-PAH	8.52E-04	8.52E-04	1.23E-03	1.70E-03	1.70E-03	2.26E-03	2.48E-03	2.48E-03	0.00E+00	1.70E-03	7.54E-07	2.66E-07	0.00E+00
South Dakota	Jackson County	46071	R	Propylene Dichloride	7.22E-08	7.22E-08	7.93E-08	1.24E-07	2.97E-07	2.53E-07	1.13E-06	1.13E-06	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jackson County	46071	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
South Dakota	Jackson County	46071	R	1,1,2,2-Tetrachloroethane	5.91E-07	5.91E-07	6.58E-07	1.01E-06	2.63E-06	2.21E-06	1.03E-05	1.03E-05	0.00E+00	2.63E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jackson County	46071	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	8.11E-02	0.00E+00	2.59E-05	0.00E+00	0.00E+00	8.10E-02
South Dakota	Jackson County	46071	R	Vinyl Chloride	1.46E-06	1.46E-06	1.62E-06	2.49E-06	6.48E-06	5.44E-06	2.54E-05	2.54E-05	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jerauld County	46073	R	Acetaldehyde	3.57E-01	3.57E-01	3.57E-01	3.57E-01	3.57E-01	3.57E-01	3.57E-01	3.57E-01	0.00E+00	3.51E-01	1.53E-03	4.17E-03	0.00E+00
South Dakota	Jerauld County	46073	R	Acrolein	1.18E-02	1.18E-02	1.18E-02	1.18E-02	1.18E-02	1.18E-02	1.18E-02	1.18E-02	0.00E+00	1.11E-02	3.59E-04	2.90E-04	0.00E+00
South Dakota	Jerauld County	46073	R	Acrylonitrile	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	0.00E+00	1.00E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jerauld County	46073	R	Arsenic Compounds	2.25E-06	2.25E-06	2.25E-06	2.25E-06	2.25E-06	2.25E-06	2.25E-06	2.25E-06	0.00E+00	5.46E-08	4.01E-07	1.80E-06	0.00E+00
South Dakota	Jerauld County	46073	R	Benzene	5.08E-01	5.08E-01	5.08E-01	5.08E-01	5.08E-01	5.08E-01	5.08E-01	5.08E-01	0.00E+00	2.18E-02	3.64E-03	2.55E-03	4.80E-01
South Dakota	Jerauld County	46073	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
South Dakota	Jerauld County	46073	R	Beryllium Compounds	4.35E-08	4.35E-08	4.35E-08	4.35E-08	4.35E-08	4.35E-08	4.35E-08	4.35E-08	0.00E+00	3.02E-08	0.00E+00	1.33E-08	0.00E+00
South Dakota	Jerauld County	46073	R	1,3-Butadiene	3.41E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03	0.00E+00	3.06E-03	1.77E-04	1.75E-04	0.00E+00
South Dakota	Jerauld County	46073	R	Cadmium Compounds	6.97E-08	6.97E-08	6.97E-08	6.97E-08	6.97E-08	6.97E-08	6.97E-08	6.97E-08	0.00E+00	5.64E-08	0.00E+00	1.32E-08	0.00E+00
South Dakota	Jerauld County	46073	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	7.74E-06	0.00E+00	0.00E+00	4.70E-02
South Dakota	Jerauld County	46073	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	2.67E-06	0.00E+00	0.00E+00	8.80E-01
South Dakota	Jerauld County	46073	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	0.00E+00	9.71E-05	0.00E+00	0.00E+00	8.30E-02
South Dakota	Jerauld County	46073	R	Chromium Compounds (includes Hexavalent)	2.94E-07	2.94E-07	2.94E-07	2.94E-07	2.94E-07	2.94E-07	2.94E-07	2.94E-07	0.00E+00	4.16E-08	2.27E-07	2.53E-08	0.00E+00
South Dakota	Jerauld County	46073	R	Chromium VI	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	0.00E+00	1.79E-08	9.98E-08	8.60E-09	0.00E+00
South Dakota	Jerauld County	46073	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
South Dakota	Jerauld County	46073	R	1,4-Dichlorobenzene	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	0.00E+00	1.73E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jerauld County	46073	R	1,3-Dichloropropene	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.36E-04	3.36E-04	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jerauld County	46073	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	5.27E-09	0.00E+00	0.00E+00	7.70E-03
South Dakota	Jerauld County	46073	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	1.16E-06	0.00E+00	0.00E+00	6.10E-02
South Dakota	Jerauld County	46073	R	Ethylene Oxide	4.89E-06	4.89E-06	4.89E-06	4.89E-06	4.89E-06	4.89E-06	4.89E-06	4.89E-06	0.00E+00	4.89E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Jerauld County	46073	R	Formaldehyde	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	0.00E+00	1.87E-01	1.59E-03	7.61E-03	2.50E-01
South Dakota	Jerauld County	46073	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	7.09E-08	0.00E+00	0.00E+00	9.30E-05
South Dakota	Jerauld County	46073	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	1.04E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Jerauld County	46073	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
South Dakota	Jerauld County	46073	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
South Dakota	Jerauld County	46073	R	Lead Compounds	1.32E-05	1.32E-05	1.32E-05	1.32E-05	1.32E-05	1.32E-05	1.32E-05	1.32E-05	0.00E+00	3.69E-06	0.00E+00	9.51E-06	0.00E+00
South Dakota	Jerauld County	46073	R	Manganese Compounds	6.72E-06	6.72E-06	6.72E-06	6.72E-06	6.72E-06	6.72E-06	6.72E-06	6.72E-06	0.00E+00	6.51E-06	7.05E-08	1.34E-07	0.00E+00
South Dakota	Jerauld County	46073	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	0.00E+00	6.26E-08	4.83E-07	1.58E-06	1.50E-03
South Dakota	Jerauld County	46073	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	0.00E+00	7.05E-04	0.00E+00	0.00E+00	1.50E-01
South Dakota	Jerauld County	46073	R	Nickel Compounds	8.36E-07	8.36E-07	8.36E-07	8.36E-07	8								

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

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		
South Dakota	Kingsbury County	46077	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
South Dakota	Kingsbury County	46077	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
South Dakota	Kingsbury County	46077	R	Lead Compounds	1.76E-05	1.76E-05	1.76E-05	2.97E-05	2.97E-05	4.18E-05	4.18E-05	4.18E-05	4.18E-05	0.00E+00	3.10E-06	0.00E+00	2.66E-05	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Manganese Compounds	9.08E-07	9.08E-07	9.08E-07	1.45E-05	1.45E-05	2.80E-05	2.80E-05	2.80E-05	0.00E+00	1.41E-05	1.67E-07	2.36E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	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	0.00E+00	1.20E-07	1.19E-06	2.76E-06	1.50E-03	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	0.00E+00	1.48E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Nickel Compounds	2.50E-06	2.50E-06	2.50E-06	3.02E-06	3.02E-06	3.54E-06	3.54E-06	3.54E-06	0.00E+00	2.24E-06	4.49E-07	3.27E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	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	3.44E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.84E-04	3.84E-04	3.84E-04	0.00E+00	3.50E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Polycyclic Organic Matter	1.57E-03	1.57E-03	1.57E-03	1.78E-03	1.78E-03	2.00E-03	2.00E-03	2.00E-03	0.00E+00	1.45E-03	2.08E-04	1.27E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	7-PAH	2.00E-04	2.00E-04	2.00E-04	2.50E-04	2.50E-04	3.00E-04	3.00E-04	3.00E-04	0.00E+00	2.47E-04	1.49E-06	1.19E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Propylene Dichloride	4.70E-08	4.70E-08	4.70E-08	5.28E-07	5.28E-07	1.01E-06	1.01E-06	1.01E-06	0.00E+00	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	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
South Dakota	Kingsbury County	46077	R	1,1,2,2-Tetrachloroethane	1.59E-07	1.59E-07	1.59E-07	4.49E-06	4.49E-06	8.82E-06	8.82E-06	8.82E-06	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	0.00E+00	1.67E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00	0.00E+00
South Dakota	Kingsbury County	46077	R	Vinyl Chloride	3.96E-07	3.96E-07	3.96E-07	1.11E-05	1.11E-05	2.17E-05	2.17E-05	2.17E-05	0.00E+00	1.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Acetaldehyde	5.63E-02	5.63E-02	5.63E-02	6.10E-02	7.80E-02	1.17E-01	1.17E-01	1.17E-01	0.00E+00	2.48E-02	3.22E-02	2.10E-02	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Acrolein	3.59E-03	3.59E-03	3.59E-03	4.40E-03	4.96E-03	6.88E-03	6.88E-03	6.88E-03	0.00E+00	1.62E-03	2.46E-03	8.78E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Acrylonitrile	3.48E-05	3.48E-05	3.48E-05	4.18E-05	1.82E-04	4.69E-04	4.69E-04	4.69E-04	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Arsenic Compounds	5.39E-06	5.39E-06	5.39E-06	8.76E-06	9.79E-06	1.52E-05	1.52E-05	1.52E-05	0.00E+00	1.03E-06	3.70E-06	5.07E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Benzene	5.07E-01	5.07E-01	5.07E-01	5.28E-01	5.46E-01	6.02E-01	6.02E-01	6.02E-01	0.00E+00	1.93E-02	3.70E-02	9.39E-03	4.80E-01	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Benidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Beryllium Compounds	1.28E-07	1.28E-07	1.28E-07	3.00E-07	3.98E-07	7.66E-07	7.66E-07	7.66E-07	0.00E+00	3.65E-07	0.00E+00	3.29E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	1,3-Butadiene	1.20E-03	1.20E-03	1.20E-03	2.15E-03	3.90E-03	8.36E-03	8.36E-03	8.36E-03	0.00E+00	2.27E-04	2.94E-03	7.38E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Cadmium Compounds	2.01E-07	2.01E-07	2.01E-07	5.42E-07	6.81E-07	1.30E-06	1.30E-06	1.30E-06	0.00E+00	6.49E-07	0.00E+00	3.28E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.74E-02	4.74E-02	4.74E-02	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	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	3.79E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Chloroform	8.35E-02	8.35E-02	8.35E-02	8.40E-02	8.50E-02	8.76E-02	8.76E-02	8.76E-02	0.00E+00	2.01E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	Lake County	46079	U	Chromium Compounds (includes Hexavalent)	8.13E-06	8.13E-06	8.13E-06	1.44E-05	1.26E-05	1.52E-05	1.52E-05	1.52E-05	0.00E+00	1.02E-05	2.30E-06	1.02E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Chromium VI	2.83E-06	2.83E-06	2.83E-06	5.01E-06	4.50E-06	5.67E-06	5.67E-06	5.67E-06	0.00E+00	3.59E-06	8.84E-07	3.45E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	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
South Dakota	Lake County	46079	U	1,4-Dichlorobenzene	6.27E-04	6.27E-04	6.27E-04	1.10E-03	2.40E-03	5.46E-03	5.46E-03	5.46E-03	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	1,3-Dichloropropene	1.23E-03	1.23E-03	1.23E-03	2.14E-03	4.79E-03	1.10E-02	1.10E-02	1.10E-02	0.00E+00	4.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	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	9.62E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
South Dakota	Lake County	46079	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	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
South Dakota	Lake County	46079	U	Ethylene Oxide	1.13E-05	1.13E-05	1.13E-05	1.96E-05	6.78E-05	1.72E-04	1.72E-04	1.72E-04	0.00E+00	6.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Formaldehyde	3.10E-01	3.10E-01	3.10E-01	3.16E-01	3.26E-01	3.51E-01	3.51E-01	3.51E-01	0.00E+00	2.16E-02	2.22E-02	3.19E-02	2.50E-01	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.34E-05	9.34E-05	9.34E-05	0.00E+00	2.06E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00
South Dakota	Lake County	46079	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-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
South Dakota	Lake County	46079	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
South Dakota	Lake County	46079	U	Hydrazine	4.19E-13	4.19E-13	4.19E-13	1.44E-12	1.35E-11	3.86E-11	3.86E-11	3.86E-11	0.00E+00	1.35E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Lead Compounds	5.77E-05	5.77E-05	5.77E-05	1.13E-04	4.37E-04	1.14E-03	1.14E-03	1.14E-03	0.00E+00	2.16E-05	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Manganese Compounds	1.24E-04	1.24E-04	1.24E-04	1.76E-04	1.62E-04	1.87E-04	1.87E-04	1.87E-04	1.59E-04	2.55E-06	7.60E-07	3.88E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	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	0.00E+00	9.33E-07	4.42E-06	4.40E-06	1.50E-03	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Methylene Chloride	1.52E-01	1.52E-01	1.52E-01	1.54E-01	1.61E-01	1.76E-01	1.76E-01	1.76E-01	0.00E+00	1.07E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Nickel Compounds	5.49E-06	5.49E-06	5.49E-06	9.01E-06	3.01E-05	7.58E-05	7.58E-05	7.58E-05	0.00E+00	2.77E-05	1.83E-06	5.53E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.41E-01	1.45E-01	1.55E-01	1.55E-01	1.55E-01	0.00E+00	5.75E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	3.84E-04	3.94E-04	4.15E-04	4.15E-04	4.15E-04	0.00E+00	1.42E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Polycyclic Organic Matter	1.97E-03	1.97E-03	1.97E-03	3.85E-03	5.17E-03	9.70E-03	9.70E-03	9.70E-03	0.00E+00	3.96E-03	8.51E-04	3.64E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	7-PAH	1.29E-04	1.29E-04	1.29E-04	1.85E-04	2.32E-04	3.83E-04	3.83E-04	3.83E-04	0.00E+00	2.24E-04	5.72E-06	2.46E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lake County	46079	U	Propylene Dichloride	2.04E-06	2.04E													

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

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	
South Dakota	Lawrence County	46081	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.71E-02	4.80E-02	4.80E-02	9.18E-08	2.36E-04	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Lawrence County	46081	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	5.17E-05	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Lawrence County	46081	U	Chloroform	8.33E-02	8.33E-02	8.40E-02	8.41E-02	8.59E-02	8.49E-02	9.32E-02	9.32E-02	0.00E+00	2.92E-03	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Lawrence County	46081	U	Chromium Compounds (includes Hexavalent)	3.48E-06	3.48E-06	4.15E-06	4.28E-06	7.47E-06	8.39E-06	1.70E-05	1.70E-05	2.33E-06	1.47E-06	3.57E-06	9.63E-08	0.00E+00	
South Dakota	Lawrence County	46081	U	Chromium VI	1.02E-06	1.02E-06	1.60E-06	1.62E-06	2.87E-06	3.05E-06	7.08E-06	7.08E-06	7.67E-07	6.65E-07	1.41E-06	3.27E-08	0.00E+00	
South Dakota	Lawrence County	46081	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	
South Dakota	Lawrence County	46081	U	1,4-Dichlorobenzene	3.85E-04	3.85E-04	1.13E-03	1.27E-03	3.29E-03	2.15E-03	1.15E-02	1.15E-02	0.00E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	U	1,3-Dichloropropene	7.42E-04	7.42E-04	2.25E-03	2.57E-03	6.68E-03	4.36E-03	2.35E-02	2.35E-02	0.00E+00	6.68E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	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	2.22E-08	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Lawrence County	46081	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	2.82E-08	1.32E-06	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Lawrence County	46081	U	Ethylene Oxide	3.44E-06	3.44E-06	6.54E-06	3.18E-05	1.25E-04	3.82E-05	5.44E-04	5.44E-04	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	U	Formaldehyde	3.88E-01	3.88E-01	4.63E-01	4.65E-01	4.73E-01	4.81E-01	5.67E-01	5.67E-01	1.47E-07	1.88E-01	2.89E-02	5.97E-03	2.50E-01	
South Dakota	Lawrence County	46081	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.31E-05	9.37E-05	9.37E-05	0.00E+00	1.96E-07	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Lawrence County	46081	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	2.67E-08	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Lawrence County	46081	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	
South Dakota	Lawrence County	46081	U	Hydrazine	2.60E-11	2.60E-11	4.03E-11	2.25E-09	9.39E-09	2.34E-09	4.23E-08	4.23E-08	0.00E+00	9.39E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	U	Lead Compounds	1.36E-05	1.36E-05	2.63E-05	3.64E-05	8.21E-05	1.21E-04	2.13E-04	2.13E-04	2.65E-07	1.96E-05	0.00E+00	6.22E-05	0.00E+00	
South Dakota	Lawrence County	46081	U	Manganese Compounds	1.07E-05	1.07E-05	1.33E-05	3.34E-05	3.85E-05	3.74E-05	9.75E-05	9.75E-05	7.37E-07	3.66E-05	1.05E-06	1.07E-07	0.00E+00	
South Dakota	Lawrence County	46081	U	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.53E-03	1.87E-11	2.12E-06	5.36E-06	9.27E-07	1.50E-03	
South Dakota	Lawrence County	46081	U	Methylene Chloride	1.51E-01	1.51E-01	1.53E-01	1.55E-01	1.65E-01	1.59E-01	2.08E-01	2.08E-01	1.93E-07	1.51E-02	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Lawrence County	46081	U	Nickel Compounds	1.33E-06	1.33E-06	3.79E-06	5.47E-06	1.56E-05	1.24E-05	5.53E-05	5.53E-05	1.75E-07	1.26E-05	2.66E-06	1.75E-07	0.00E+00	
South Dakota	Lawrence County	46081	U	Perchloroethylene	1.41E-01	1.41E-01	1.42E-01	1.43E-01	1.44E-01	1.44E-01	1.50E-01	1.50E-01	2.86E-08	4.16E-03	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Lawrence County	46081	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.85E-04	3.87E-04	4.02E-04	3.92E-04	4.66E-04	4.66E-04	0.00E+00	2.21E-05	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Lawrence County	46081	U	Polycyclic Organic Matter	4.91E-03	4.91E-03	5.28E-03	6.66E-03	9.17E-03	1.03E-02	1.87E-02	1.87E-02	1.23E-08	7.82E-03	1.22E-03	1.32E-04	0.00E+00	
South Dakota	Lawrence County	46081	U	7-PAH	1.11E-03	1.11E-03	1.71E-03	1.73E-03	1.80E-03	1.74E-03	2.70E-03	2.70E-03	2.50E-10	1.79E-03	8.14E-06	1.15E-06	0.00E+00	
South Dakota	Lawrence County	46081	U	Propylene Dichloride	1.49E-07	1.49E-07	3.28E-07	4.84E-07	9.25E-07	5.66E-07	3.10E-06	3.10E-06	0.00E+00	9.25E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	U	Quinoline	3.44E-10	3.44E-10	4.45E-10	8.18E-09	2.48E-08	9.05E-09	1.06E-07	1.06E-07	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	U	1,1,2,2-Tetrachloroethane	1.17E-06	1.17E-06	1.85E-06	2.38E-06	2.49E-06	3.32E-06	3.75E-06	3.75E-06	0.00E+00	2.49E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lawrence County	46081	U	Trichloroethylene	8.11E-02	8.11E-02	8.13E-02	8.15E-02	8.31E-02	8.31E-02	8.20E-02	8.98E-02	8.98E-02	0.00E+00	2.14E-03	0.00E+00	0.00E+00	8.10E-02
South Dakota	Lawrence County	46081	U	Vinyl Chloride	2.90E-06	2.90E-06	4.82E-06	5.88E-06	6.94E-06	8.46E-06	1.26E-05	1.26E-05	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lincoln County	46083	R	Acetaldehyde	5.04E-02	5.04E-02	6.24E-02	8.82E-02	1.03E-01	1.44E-01	1.85E-01	1.85E-01	0.00E+00	8.80E-03	6.72E-02	2.70E-02	0.00E+00	
South Dakota	Lincoln County	46083	R	Acrolein	5.04E-03	5.04E-03	5.33E-03	6.00E-03	7.76E-03	1.02E-02	1.28E-02	1.28E-02	0.00E+00	8.71E-04	5.33E-03	1.56E-03	0.00E+00	
South Dakota	Lincoln County	46083	R	Acrylonitrile	1.75E-05	1.75E-05	2.18E-05	3.68E-05	3.86E-05	5.55E-05	6.33E-05	6.33E-05	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lincoln County	46083	R	Arsenic Compounds	8.68E-06	8.68E-06	9.92E-06	1.20E-05	1.26E-05	1.53E-05	1.78E-05	1.78E-05	0.00E+00	1.27E-06	6.06E-06	5.28E-06	0.00E+00	
South Dakota	Lincoln County	46083	R	Benzene	5.46E-01	5.46E-01	5.52E-01	5.65E-01	5.75E-01	5.98E-01	6.25E-01	6.25E-01	0.00E+00	2.38E-02	5.97E-02	1.18E-02	4.80E-01	
South Dakota	Lincoln County	46083	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	
South Dakota	Lincoln County	46083	R	Beryllium Compounds	4.02E-07	4.02E-07	4.74E-07	5.48E-07	6.32E-07	7.90E-07	1.03E-06	1.03E-06	0.00E+00	5.42E-07	0.00E+00	8.95E-08	0.00E+00	
South Dakota	Lincoln County	46083	R	1,3-Butadiene	2.31E-03	2.31E-03	2.70E-03	3.80E-03	4.24E-03	5.77E-03	7.02E-03	7.02E-03	0.00E+00	3.62E-05	3.36E-03	8.38E-04	0.00E+00	
South Dakota	Lincoln County	46083	R	Cadmium Compounds	7.20E-07	7.20E-07	8.41E-07	9.95E-07	1.20E-06	1.56E-06	2.09E-06	2.09E-06	0.00E+00	1.11E-06	0.00E+00	8.91E-08	0.00E+00	
South Dakota	Lincoln County	46083	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	1.54E-04	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Lincoln County	46083	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	4.37E-05	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Lincoln County	46083	R	Chloroform	8.40E-02	8.40E-02	8.43E-02	8.48E-02	8.53E-02	8.63E-02	8.76E-02	8.76E-02	0.00E+00	2.31E-03	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Lincoln County	46083	R	Chromium Compounds (includes Hexavalent)	3.03E-06	3.03E-06	3.41E-06	4.49E-06	5.13E-06	6.84E-06	8.49E-06	8.49E-06	0.00E+00	9.60E-07	4.02E-06	1.45E-07	0.00E+00	
South Dakota	Lincoln County	46083	R	Chromium VI	1.26E-06	1.26E-06	1.39E-06	1.82E-06	2.09E-06	2.79E-06	3.47E-06	3.47E-06	0.00E+00	4.31E-07	1.61E-06	4.94E-08	0.00E+00	
South Dakota	Lincoln County	46083	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	
South Dakota	Lincoln County	46083	R	1,4-Dichlorobenzene	1.29E-03	1.29E-03	1.82E-03	2.36E-03	2.74E-03	3.67E-03	4.96E-03	4.96E-03	0.00E+00	2.74E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lincoln County	46083	R	1,3-Dichloropropene	2.41E-03	2.41E-03	3.46E-03	4.61E-03	5.38E-03	7.30E-03	9.88E-03	9.88E-03	0.00E+00	5.38E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lincoln County	46083	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	2.42E-08	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Lincoln County	46083	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	4.11E-06	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Lincoln County	46083	R	Ethylene Oxide	4.75E-05	4.75E-05	5.25E-05	7.70E-05	1.30E-04	2.08E-04	3.20E-04	3.20E-04	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lincoln County	46083	R	Formaldehyde	3.00E-01	3.00E-01	3.13E-01	3.33E-01	3.37E-01	3.61E-01	3.82E-01	3.82E-01	0.00E+00	6.41E-03	3.88E-02	4.18E-02	2.50E-01	
South Dakota	Lincoln County	46083	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.33E-05	0.00E+00	2.06E-07	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Lincoln County	46083	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	1.89E-08	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Lincoln County	46083	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	
South Dakota	Lincoln County	46083	R	Hydrazine	3.18E-10	3.18E-10	3.23E-10	7.03E-10	1.41E-09	2.50E-09	3.93E-09	3.93E-09	0.00E+00	1.41E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Lincoln County	46083	R	Lead Compounds	6.52E-05	6.52E-05	6.92E-05	1.31E-04	1.99E-04	3.29E-04	4.70E-04	4.70E-04	0.00E+00	1.59E-05	0.00E+00	1.83E-04	0.00E+00	
South Dakota	Lincoln County	460																

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 Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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	
South Dakota	Lincoln County	46083	R	Propylene Dichloride	9.45E-07	9.45E-07	1.08E-06	1.96E-06	2.06E-06	3.04E-06	3.39E-06	3.39E-06	0.00E+00	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lincoln County	46083	R	Quinoline	4.70E-09	4.70E-09	5.41E-09	8.96E-09	9.76E-09	1.41E-08	1.64E-08	1.64E-08	0.00E+00	9.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lincoln County	46083	R	1,1,2,2-Tetrachloroethane	6.72E-06	6.72E-06	7.19E-06	1.42E-05	1.53E-05	2.34E-05	2.61E-05	2.61E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lincoln County	46083	R	Trichloroethylene	8.18E-02	8.18E-02	8.20E-02	8.23E-02	8.25E-02	8.30E-02	8.38E-02	8.38E-02	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Lincoln County	46083	R	Vinyl Chloride	1.68E-05	1.68E-05	1.99E-05	3.74E-05	3.99E-05	5.99E-05	6.79E-05	6.79E-05	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Acetaldehyde	8.45E-02	8.45E-02	8.45E-02	8.79E-02	8.79E-02	9.12E-02	9.12E-02	9.12E-02	0.00E+00	6.49E-02	9.55E-03	1.34E-02	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Acrolein	2.43E-02	2.43E-02	2.43E-02	3.01E-02	3.01E-02	3.59E-02	3.59E-02	3.59E-02	0.00E+00	2.89E-02	8.82E-04	3.65E-04	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Acrylonitrile	3.63E-07	3.63E-07	3.63E-07	5.59E-07	5.59E-07	7.55E-07	7.55E-07	7.55E-07	0.00E+00	5.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Arsenic Compounds	2.43E-06	2.43E-06	2.43E-06	2.86E-06	2.86E-06	3.29E-06	3.29E-06	3.29E-06	0.00E+00	3.91E-08	1.39E-06	1.43E-06	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Benzene	5.36E-01	5.36E-01	5.36E-01	5.51E-01	5.51E-01	5.65E-01	5.65E-01	5.65E-01	0.00E+00	5.39E-02	1.12E-02	5.49E-03	4.80E-01	0.00E+00
South Dakota	Lyman County	46085	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
South Dakota	Lyman County	46085	R	Beryllium Compounds	1.66E-08	1.66E-08	1.66E-08	2.48E-08	2.48E-08	3.30E-08	3.30E-08	3.30E-08	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	1,3-Butadiene	7.90E-03	7.90E-03	7.90E-03	1.02E-02	1.02E-02	1.24E-02	1.24E-02	1.24E-02	0.00E+00	9.11E-03	7.51E-04	2.96E-04	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Cadmium Compounds	2.67E-08	2.67E-08	2.67E-08	4.04E-08	4.04E-08	5.41E-08	5.41E-08	5.41E-08	0.00E+00	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	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	6.26E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	Lyman County	46085	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	2.28E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01
South Dakota	Lyman County	46085	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	1.83E-05	0.00E+00	0.00E+00	0.00E+00	8.30E-02
South Dakota	Lyman County	46085	R	Chromium Compounds (includes Hexavalent)	8.10E-07	8.10E-07	8.10E-07	8.90E-07	8.90E-07	9.70E-07	9.70E-07	9.70E-07	0.00E+00	3.01E-08	8.16E-07	4.46E-08	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Chromium VI	3.16E-07	3.16E-07	3.16E-07	3.47E-07	3.47E-07	3.78E-07	3.78E-07	3.78E-07	0.00E+00	1.28E-08	3.19E-07	1.52E-08	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	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
South Dakota	Lyman County	46085	R	1,4-Dichlorobenzene	8.89E-05	8.89E-05	8.89E-05	1.66E-04	1.66E-04	2.43E-04	2.43E-04	2.43E-04	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	1,3-Dichloropropene	1.75E-04	1.75E-04	1.75E-04	3.29E-04	3.29E-04	4.83E-04	4.83E-04	4.83E-04	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	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	4.19E-14	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Lyman County	46085	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	8.95E-09	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Lyman County	46085	R	Ethylene Oxide	1.09E-06	1.09E-06	1.09E-06	2.25E-06	2.25E-06	3.40E-06	3.40E-06	3.40E-06	0.00E+00	2.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Formaldehyde	4.15E-01	4.15E-01	4.15E-01	4.36E-01	4.36E-01	4.57E-01	4.57E-01	4.57E-01	0.00E+00	1.65E-01	6.39E-03	1.49E-02	2.50E-01	0.00E+00
South Dakota	Lyman County	46085	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	5.65E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Lyman County	46085	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	1.00E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Lyman County	46085	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
South Dakota	Lyman County	46085	R	Hydrazine	1.99E-15	1.99E-15	1.99E-15	3.39E-15	3.39E-15	4.79E-15	4.79E-15	4.79E-15	0.00E+00	3.39E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Lead Compounds	2.70E-07	2.70E-07	2.70E-07	5.22E-07	5.22E-07	7.75E-07	7.75E-07	7.75E-07	0.00E+00	3.94E-07	0.00E+00	1.29E-07	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Manganese Compounds	4.26E-07	4.26E-07	4.26E-07	5.20E-07	5.20E-07	6.14E-07	6.14E-07	6.14E-07	0.00E+00	1.55E-07	2.51E-07	1.14E-07	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	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	0.00E+00	3.89E-08	1.65E-06	1.21E-06	1.50E-03	0.00E+00
South Dakota	Lyman County	46085	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	0.00E+00	6.14E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	Lyman County	46085	R	Nickel Compounds	7.89E-07	7.89E-07	7.89E-07	9.16E-07	9.16E-07	1.04E-06	1.04E-06	1.04E-06	0.00E+00	1.23E-07	6.28E-07	1.65E-07	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	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	2.99E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	Lyman County	46085	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.79E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	Lyman County	46085	R	Polycyclic Organic Matter	2.75E-03	2.75E-03	2.75E-03	3.48E-03	3.48E-03	4.22E-03	4.22E-03	4.22E-03	0.00E+00	3.15E-03	2.71E-04	6.43E-05	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	7-PAH	9.36E-04	9.36E-04	9.36E-04	1.18E-03	1.18E-03	1.42E-03	1.42E-03	1.42E-03	0.00E+00	1.17E-03	2.15E-06	1.39E-06	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Propylene Dichloride	1.08E-08	1.08E-08	1.08E-08	1.67E-08	1.67E-08	2.25E-08	2.25E-08	2.25E-08	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	1.08E-08
South Dakota	Lyman County	46085	R	Quinoline	3.49E-14	3.49E-14	3.49E-14	4.84E-14	4.84E-14	6.19E-14	6.19E-14	6.19E-14	0.00E+00	4.84E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	1,1,2,2-Tetrachloroethane	1.69E-09	1.69E-09	1.69E-09	2.61E-09	2.61E-09	3.52E-09	3.52E-09	3.52E-09	0.00E+00	2.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Lyman County	46085	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	8.11E-02	0.00E+00	4.18E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Lyman County	46085	R	Vinyl Chloride	6.26E-09	6.26E-09	6.26E-09	9.63E-09	9.63E-09	1.30E-08	1.30E-08	1.30E-08	0.00E+00	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Acetaldehyde	6.30E-02	6.30E-02	6.30E-02	6.43E-02	6.43E-02	6.56E-02	6.56E-02	6.56E-02	0.00E+00	2.20E-02	2.27E-02	1.96E-02	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Acrolein	6.62E-03	6.62E-03	6.62E-03	6.98E-03	6.98E-03	7.35E-03	7.35E-03	7.35E-03	0.00E+00	4.57E-03	1.79E-03	6.22E-04	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Acrylonitrile	1.95E-05	1.95E-05	1.95E-05	2.36E-05	2.36E-05	2.76E-05	2.76E-05	2.76E-05	0.00E+00	2.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Arsenic Compounds	6.47E-06	6.47E-06	6.47E-06	6.77E-06	6.77E-06	7.07E-06	7.07E-06	7.07E-06	0.00E+00	1.82E-07	2.55E-06	4.03E-06	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Benzene	5.20E-01	5.20E-01	5.20E-01	5.21E-01	5.21E-01	5.21E-01	5.21E-01	5.21E-01	0.00E+00	1.40E-02	2.13E-02	5.26E-03	4.80E-01	0.00E+00
South Dakota	McCook County	46087	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
South Dakota	McCook County	46087	R	Beryllium Compounds	9.37E-08	9.37E-08	9.37E-08	1.11E-07	1.11E-07	1.28E-07	1.28E-07	1.28E-07	0.00E+00	9.86E-08	0.00E+00	1.20E-08	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	1,3-Butadiene	2.64E-03	2.64E-03	2.64E-03	2.78E-03	2.78E-03	2.91E-03	2.91E-03	2.91E-03	0.00E+00	1.13E-03	1.32E-03	3.35E-04	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Cadmium Compounds	1.66E-07	1.66E-07	1.66E-07	1.82E-07	1.82E-07	1.99E-07	1.99E-07	1.99E-07	0.00E+00	1.70E-07	0.00E+00	1.20E-08	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R															

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

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	
South Dakota	McCook County	46087	R	Formaldehyde	3.33E-01	3.33E-01	3.33E-01	3.34E-01	3.34E-01	3.34E-01	3.34E-01	3.34E-01	3.34E-01	0.00E+00	3.85E-02	1.43E-02	3.10E-02	2.50E-01
South Dakota	McCook County	46087	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	9.31E-05	0.00E+00	1.17E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	McCook County	46087	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	3.08E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	McCook County	46087	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
South Dakota	McCook County	46087	R	Hydrazine	1.41E-11	1.41E-11	1.41E-11	2.71E-11	2.71E-11	4.02E-11	4.02E-11	4.02E-11	0.00E+00	2.71E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Lead Compounds	4.12E-06	4.12E-06	4.12E-06	1.15E-05	1.15E-05	1.88E-05	1.88E-05	1.88E-05	0.00E+00	4.63E-06	0.00E+00	6.85E-06	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Manganese Compounds	7.23E-04	7.23E-04	7.23E-04	2.15E-03	2.15E-03	3.57E-03	3.57E-03	3.57E-03	2.15E-03	6.08E-07	4.50E-07	2.99E-07	0.00E+00	0.00E+00
South Dakota	McCook County	46087	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	0.00E+00	1.76E-07	3.03E-06	3.53E-06	1.50E-03
South Dakota	McCook County	46087	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	1.52E-01	0.00E+00	2.06E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	McCook County	46087	R	Nickel Compounds	3.44E-06	3.44E-06	3.44E-06	3.91E-06	3.91E-06	4.38E-06	4.38E-06	4.38E-06	0.00E+00	2.37E-06	1.12E-06	4.12E-07	0.00E+00	0.00E+00
South Dakota	McCook County	46087	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	3.40E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
South Dakota	McCook County	46087	R	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	3.85E-04	3.85E-04	3.86E-04	3.86E-04	3.86E-04	0.00E+00	5.05E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
South Dakota	McCook County	46087	R	Polycyclic Organic Matter	2.41E-03	2.41E-03	2.41E-03	2.43E-03	2.43E-03	2.46E-03	2.46E-03	2.46E-03	0.00E+00	1.78E-03	5.10E-04	1.50E-04	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	7-PAH	2.42E-04	2.42E-04	2.42E-04	2.55E-04	2.55E-04	2.68E-04	2.68E-04	2.68E-04	0.00E+00	2.50E-04	3.94E-06	9.99E-07	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Propylene Dichloride	1.14E-06	1.14E-06	1.14E-06	1.38E-06	1.38E-06	1.61E-06	1.61E-06	1.61E-06	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Quinoline	3.10E-10	3.10E-10	3.10E-10	5.49E-10	5.49E-10	7.89E-10	7.89E-10	7.89E-10	0.00E+00	5.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	1,1,2,2-Tetrachloroethane	9.97E-06	9.97E-06	9.97E-06	1.21E-05	1.21E-05	1.43E-05	1.43E-05	1.43E-05	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McCook County	46087	R	Trichloroethylene	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	8.12E-02	0.00E+00	2.01E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	McCook County	46087	R	Vinyl Chloride	2.46E-05	2.46E-05	2.46E-05	2.98E-05	2.98E-05	3.51E-05	3.51E-05	3.51E-05	0.00E+00	2.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Acetaldehyde	3.87E-02	3.87E-02	3.87E-02	3.87E-02	3.87E-02	3.87E-02	3.87E-02	3.87E-02	0.00E+00	1.55E-02	1.98E-03	2.12E-02	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Acrolein	4.75E-03	4.75E-03	4.75E-03	4.75E-03	4.75E-03	4.75E-03	4.75E-03	4.75E-03	0.00E+00	4.23E-03	2.18E-04	3.00E-04	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Acrylonitrile	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	1.52E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Arsenic Compounds	2.17E-06	2.17E-06	2.17E-06	2.17E-06	2.17E-06	2.17E-06	2.17E-06	2.17E-06	0.00E+00	3.97E-08	2.42E-07	1.89E-06	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Benzene	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	0.00E+00	1.11E-02	2.26E-03	2.81E-03	4.80E-01	0.00E+00
South Dakota	McPherson County	46089	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
South Dakota	McPherson County	46089	R	Beryllium Compounds	2.48E-08	2.48E-08	2.48E-08	2.48E-08	2.48E-08	2.48E-08	2.48E-08	2.48E-08	0.00E+00	1.92E-08	0.00E+00	5.54E-09	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	1,3-Butadiene	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	1.58E-03	0.00E+00	1.30E-03	1.14E-04	1.66E-04	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Cadmium Compounds	8.37E-08	8.37E-08	8.37E-08	8.37E-08	8.37E-08	8.37E-08	8.37E-08	8.37E-08	0.00E+00	7.82E-08	0.00E+00	5.48E-09	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	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	6.40E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	McPherson County	46089	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	2.12E-06	0.00E+00	0.00E+00	8.80E-01	0.00E+00
South Dakota	McPherson County	46089	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	8.27E-06	0.00E+00	0.00E+00	8.30E-02	0.00E+00
South Dakota	McPherson County	46089	R	Chromium Compounds (includes Hexavalent)	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	1.83E-07	0.00E+00	3.00E-08	1.29E-07	2.43E-08	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Chromium VI	7.16E-08	7.16E-08	7.16E-08	7.16E-08	7.16E-08	7.16E-08	7.16E-08	7.16E-08	0.00E+00	1.21E-08	5.13E-08	8.27E-09	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	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
South Dakota	McPherson County	46089	R	1,4-Dichlorobenzene	1.19E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04	1.19E-04	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	1,3-Dichloropropene	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	0.00E+00	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	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	8.29E-09	0.00E+00	0.00E+00	7.70E-03	0.00E+00
South Dakota	McPherson County	46089	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	1.80E-06	0.00E+00	0.00E+00	6.10E-02	0.00E+00
South Dakota	McPherson County	46089	R	Ethylene Oxide	5.01E-06	5.01E-06	5.01E-06	5.01E-06	5.01E-06	5.01E-06	5.01E-06	5.01E-06	0.00E+00	5.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Formaldehyde	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	0.00E+00	2.94E-02	1.31E-03	2.67E-02	2.50E-01	0.00E+00
South Dakota	McPherson County	46089	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	9.59E-08	0.00E+00	0.00E+00	9.30E-05	0.00E+00
South Dakota	McPherson County	46089	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	7.11E-10	0.00E+00	0.00E+00	1.80E-03	0.00E+00
South Dakota	McPherson County	46089	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
South Dakota	McPherson County	46089	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
South Dakota	McPherson County	46089	R	Lead Compounds	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	0.00E+00	2.59E-06	0.00E+00	6.26E-08	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	Manganese Compounds	3.22E-07	3.22E-07	3.22E-07	3.22E-07	3.22E-07	3.22E-07	3.22E-07	3.22E-07	0.00E+00	1.36E-07	4.45E-08	1.41E-07	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	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	0.00E+00	4.52E-07	2.92E-07	1.66E-06	1.50E-03	0.00E+00
South Dakota	McPherson County	46089	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	0.00E+00	5.09E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00
South Dakota	McPherson County	46089	R	Nickel Compounds	5.48E-07	5.48E-07	5.48E-07	5.48E-07	5.48E-07	5.48E-07	5.48E-07	5.48E-07	0.00E+00	2.57E-07	9.76E-08	1.94E-07	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	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	7.82E-05	0.00E+00	0.00E+00	1.40E-01	0.00E+00
South Dakota	McPherson County	46089	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	1.33E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
South Dakota	McPherson County	46089	R	Polycyclic Organic Matter	9.57E-04	9.57E-04	9.57E-04	9.57E-04	9.57E-04	9.57E-04	9.57E-04	9.57E-04	0.00E+00	8.41E-04	4.99E-05	6.69E-05	0.00E+00	0.00E+00
South Dakota	McPherson County	46089	R	7-PAH	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	0.00E+00	1.87E-04	3.40E-07	6.31E-07	0.00E+00	0.00E+00

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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
South Dakota	Marshall County	46091	R	Beryllium Compounds	6.96E-08	6.96E-08	6.96E-08	8.46E-08	8.46E-08	9.97E-08	9.97E-08	9.97E-08	0.00E+00	5.24E-08	0.00E+00	3.22E-08	0.00E+00
South Dakota	Marshall County	46091	R	1,3-Butadiene	1.98E-03	1.98E-03	1.98E-03	2.13E-03	2.13E-03	2.28E-03	2.28E-03	2.28E-03	0.00E+00	1.50E-03	3.00E-04	3.30E-04	0.00E+00
South Dakota	Marshall County	46091	R	Cadmium Compounds	1.27E-07	1.27E-07	1.27E-07	1.35E-07	1.35E-07	1.42E-07	1.42E-07	1.42E-07	0.00E+00	1.03E-07	0.00E+00	3.19E-08	0.00E+00
South Dakota	Marshall County	46091	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	1.12E-05	0.00E+00	0.00E+00	4.70E-02
South Dakota	Marshall County	46091	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	4.50E-06	0.00E+00	0.00E+00	8.80E-01
South Dakota	Marshall County	46091	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	0.00E+00	6.17E-05	0.00E+00	0.00E+00	8.30E-02
South Dakota	Marshall County	46091	R	Chromium Compounds (includes Hexavalent)	4.84E-07	4.84E-07	4.84E-07	5.92E-07	5.92E-07	7.01E-07	7.01E-07	7.01E-07	0.00E+00	8.88E-08	4.45E-07	5.83E-08	0.00E+00
South Dakota	Marshall County	46091	R	Chromium VI	1.90E-07	1.90E-07	1.90E-07	2.31E-07	2.31E-07	2.72E-07	2.72E-07	2.72E-07	0.00E+00	4.18E-08	1.70E-07	1.98E-08	0.00E+00
South Dakota	Marshall County	46091	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
South Dakota	Marshall County	46091	R	1,4-Dichlorobenzene	2.54E-04	2.54E-04	2.54E-04	2.63E-04	2.63E-04	2.71E-04	2.71E-04	2.71E-04	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	R	1,3-Dichloropropene	4.95E-04	4.95E-04	4.95E-04	5.13E-04	5.13E-04	5.31E-04	5.31E-04	5.31E-04	0.00E+00	5.13E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	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	3.96E-10	0.00E+00	0.00E+00	7.70E-03
South Dakota	Marshall County	46091	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	5.10E-08	0.00E+00	0.00E+00	6.10E-02
South Dakota	Marshall County	46091	R	Ethylene Oxide	4.06E-06	4.06E-06	4.06E-06	5.07E-06	5.07E-06	6.07E-06	6.07E-06	6.07E-06	0.00E+00	5.07E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	R	Formaldehyde	3.25E-01	3.25E-01	3.25E-01	3.27E-01	3.27E-01	3.30E-01	3.30E-01	3.30E-01	0.00E+00	3.90E-02	4.11E-03	3.42E-02	2.50E-01
South Dakota	Marshall County	46091	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	8.36E-08	0.00E+00	0.00E+00	9.30E-05
South Dakota	Marshall County	46091	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	1.57E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Marshall County	46091	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
South Dakota	Marshall County	46091	R	Hydrazine	2.33E-13	2.33E-13	2.33E-13	2.17E-11	2.17E-11	4.32E-11	4.32E-11	4.32E-11	0.00E+00	2.17E-11	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	R	Lead Compounds	2.85E-06	2.85E-06	2.85E-06	8.56E-06	8.56E-06	1.43E-05	1.43E-05	1.43E-05	0.00E+00	2.58E-06	0.00E+00	5.98E-06	0.00E+00
South Dakota	Marshall County	46091	R	Manganese Compounds	1.64E-03	1.64E-03	1.64E-03	1.71E-03	1.71E-03	1.78E-03	1.78E-03	1.78E-03	1.71E-03	4.60E-07	1.30E-07	2.24E-07	0.00E+00
South Dakota	Marshall County	46091	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	0.00E+00	8.37E-08	9.37E-07	2.61E-06	1.50E-03
South Dakota	Marshall County	46091	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	0.00E+00	9.91E-04	0.00E+00	0.00E+00	1.50E-01
South Dakota	Marshall County	46091	R	Nickel Compounds	1.80E-06	1.80E-06	1.80E-06	2.90E-06	2.90E-06	4.01E-06	4.01E-06	4.01E-06	0.00E+00	2.25E-06	3.42E-07	3.12E-07	0.00E+00
South Dakota	Marshall County	46091	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.44E-01	1.44E-01	1.44E-01	0.00E+00	2.42E-03	0.00E+00	0.00E+00	1.40E-01
South Dakota	Marshall County	46091	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	0.00E+00	2.84E-06	0.00E+00	0.00E+00	3.80E-04
South Dakota	Marshall County	46091	R	Polycyclic Organic Matter	1.50E-03	1.50E-03	1.50E-03	1.85E-03	1.85E-03	2.19E-03	2.19E-03	2.19E-03	0.00E+00	1.57E-03	1.59E-04	1.15E-04	0.00E+00
South Dakota	Marshall County	46091	R	7-PAH	2.90E-04	2.90E-04	2.90E-04	3.13E-04	3.13E-04	3.36E-04	3.36E-04	3.36E-04	0.00E+00	3.10E-04	1.21E-06	1.54E-06	0.00E+00
South Dakota	Marshall County	46091	R	Propylene Dichloride	3.31E-08	3.31E-08	3.31E-08	3.75E-08	3.75E-08	4.19E-08	4.19E-08	4.19E-08	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	R	Quinoline	4.29E-12	4.29E-12	4.29E-12	3.77E-10	3.77E-10	7.50E-10	7.50E-10	7.50E-10	0.00E+00	3.77E-10	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	R	1,1,2,2-Tetrachloroethane	7.17E-08	7.17E-08	7.17E-08	7.62E-08	7.62E-08	8.07E-08	8.07E-08	8.07E-08	0.00E+00	7.62E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Marshall County	46091	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	1.13E-04	0.00E+00	0.00E+00	8.10E-02
South Dakota	Marshall County	46091	R	Vinyl Chloride	2.03E-07	2.03E-07	2.03E-07	2.04E-07	2.04E-07	2.05E-07	2.05E-07	2.05E-07	0.00E+00	2.04E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	R	Acetaldehyde	1.88E-01	1.88E-01	2.53E-01	3.04E-01	4.09E-01	4.31E-01	9.75E-01	9.75E-01	3.54E-03	3.33E-01	5.49E-02	1.76E-02	0.00E+00
South Dakota	Meade County	46093	R	Acrolein	5.71E-03	5.71E-03	7.19E-02	1.09E-01	1.31E-01	1.48E-01	3.44E-01	3.44E-01	2.45E-04	1.25E-01	4.75E-03	7.84E-04	0.00E+00
South Dakota	Meade County	46093	R	Acrylonitrile	1.76E-07	1.76E-07	3.39E-05	6.88E-05	2.53E-04	5.55E-04	7.89E-04	7.89E-04	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	R	Arsenic Compounds	6.81E-07	6.81E-07	1.05E-05	2.21E-05	3.22E-05	4.71E-05	9.05E-05	9.05E-05	2.31E-05	1.22E-06	5.60E-06	2.25E-06	0.00E+00
South Dakota	Meade County	46093	R	Benzene	4.93E-01	4.93E-01	6.69E-01	7.17E-01	8.03E-01	9.54E-01	1.26E+00	1.26E+00	1.08E-04	2.50E-01	6.38E-02	8.23E-03	4.80E-01
South Dakota	Meade County	46093	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
South Dakota	Meade County	46093	R	Beryllium Compounds	2.05E-08	2.05E-08	2.46E-07	5.46E-07	5.12E-07	8.48E-07	8.69E-07	8.69E-07	3.52E-08	4.77E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	R	1,3-Butadiene	1.70E-03	1.70E-03	8.69E-03	1.73E-02	4.71E-02	6.87E-02	1.69E-01	1.69E-01	0.00E+00	4.20E-02	4.46E-03	6.70E-04	0.00E+00
South Dakota	Meade County	46093	R	Cadmium Compounds	2.78E-08	2.78E-08	5.25E-07	9.79E-07	8.69E-07	1.35E-06	1.36E-06	1.36E-06	8.54E-08	7.84E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.79E-02	4.79E-02	2.44E-07	2.34E-04	0.00E+00	0.00E+00	4.70E-02
South Dakota	Meade County	46093	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	4.27E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Meade County	46093	R	Chloroform	8.30E-02	8.30E-02	8.41E-02	8.46E-02	8.43E-02	8.48E-02	8.50E-02	8.50E-02	0.00E+00	1.34E-03	0.00E+00	0.00E+00	8.30E-02
South Dakota	Meade County	46093	R	Chromium Compounds (includes Hexavalent)	1.13E-07	1.13E-07	1.66E-05	2.14E-05	2.10E-05	3.17E-05	3.45E-05	3.45E-05	7.23E-07	1.63E-05	3.89E-06	7.88E-08	0.00E+00
South Dakota	Meade County	46093	R	Chromium VI	4.43E-08	4.43E-08	3.42E-06	4.42E-06	4.07E-06	5.87E-06	6.26E-06	6.26E-06	1.77E-07	2.37E-06	1.50E-06	2.68E-08	0.00E+00
South Dakota	Meade County	46093	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
South Dakota	Meade County	46093	R	1,4-Dichlorobenzene	5.14E-05	5.14E-05	1.61E-03	4.58E-03	4.36E-03	6.58E-03	8.79E-03	8.79E-03	0.00E+00	4.36E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	R	1,3-Dichloropropene	1.02E-04	1.02E-04	3.12E-03	9.14E-03	8.75E-03	1.32E-02	1.78E-02	1.78E-02	0.00E+00	8.75E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	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	1.54E-07	0.00E+00	0.00E+00	7.70E-03
South Dakota	Meade County	46093	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	7.51E-08	2.99E-05	0.00E+00	0.00E+00	6.10E-02
South Dakota	Meade County	46093	R	Ethylene Oxide	1.01E-07	1.01E-07	5.71E-05	7.11E-05	4.80E-04	8.64E-05	2.59E-03	2.59E-03	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Meade County	46093	R	Formaldehyde	4.39E-01	4.39E-01	5.64E-01	7.58E-01	9.80E-01	1.13E+00	2.24E+00	2.24E+00	9.06E-03	6.64E-01	3.42E-02	2.28E-02	2.50E-01
South Dakota	Meade County	46093	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.32E-05	9.31E-05	9.36E-05	9.36E-05	0.00E+00	1.88E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Meade County	46093	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	2.14E-08	0.00E+00	0.00E+00	1.80E-03
South Dakota	Meade County	46093	R	Hexamethylene Diisocyanate	0.00E+00	0.00											

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

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	
South Dakota	Miner County	46097	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	4.58E-09	0.00E+00	0.00E+00	7.70E-03
South Dakota	Miner County	46097	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	9.82E-07	0.00E+00	0.00E+00	6.10E-02
South Dakota	Miner County	46097	R	Ethylene Oxide	4.44E-06	4.44E-06	4.44E-06	4.44E-06	4.44E-06	4.44E-06	4.44E-06	4.44E-06	4.44E-06	0.00E+00	4.44E-06	0.00E+00	0.00E+00	4.44E-06
South Dakota	Miner County	46097	R	Formaldehyde	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	3.07E-01	0.00E+00	2.99E-02	4.02E-03	2.33E-02	2.50E-01
South Dakota	Miner County	46097	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	9.31E-05	0.00E+00	1.08E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Miner County	46097	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	2.12E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Miner County	46097	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
South Dakota	Miner County	46097	R	Hydrazine	1.53E-11	1.53E-11	1.53E-11	1.53E-11	1.53E-11	1.53E-11	1.53E-11	1.53E-11	1.53E-11	0.00E+00	1.53E-11	0.00E+00	0.00E+00	0.00E+00
South Dakota	Miner County	46097	R	Lead Compounds	2.83E-05	2.83E-05	2.83E-05	2.83E-05	2.83E-05	2.83E-05	2.83E-05	2.83E-05	2.83E-05	0.00E+00	4.34E-06	0.00E+00	2.39E-05	0.00E+00
South Dakota	Miner County	46097	R	Manganese Compounds	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.29E-04	3.97E-07	1.52E-07	2.07E-07	0.00E+00
South Dakota	Miner County	46097	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	1.50E-03	0.00E+00	1.21E-07	1.05E-06	2.45E-06	1.50E-03
South Dakota	Miner County	46097	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	1.51E-01	0.00E+00	1.31E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	Miner County	46097	R	Nickel Compounds	1.95E-06	1.95E-06	1.95E-06	1.95E-06	1.95E-06	1.95E-06	1.95E-06	1.95E-06	1.95E-06	0.00E+00	1.28E-06	3.85E-07	2.80E-07	0.00E+00
South Dakota	Miner County	46097	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	1.40E-01	0.00E+00	3.05E-04	0.00E+00	0.00E+00	1.40E-01
South Dakota	Miner County	46097	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	3.83E-04	0.00E+00	3.02E-06	0.00E+00	0.00E+00	3.80E-04
South Dakota	Miner County	46097	R	Polycyclic Organic Matter	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	0.00E+00	1.22E-03	1.84E-04	1.06E-04	0.00E+00
South Dakota	Miner County	46097	R	7-PAH	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	0.00E+00	1.57E-04	1.27E-06	8.34E-07	0.00E+00
South Dakota	Miner County	46097	R	Propylene Dichloride	4.99E-07	4.99E-07	4.99E-07	4.99E-07	4.99E-07	4.99E-07	4.99E-07	4.99E-07	4.99E-07	0.00E+00	4.99E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Miner County	46097	R	Quinoline	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	3.71E-10	0.00E+00	3.71E-10	0.00E+00	0.00E+00	0.00E+00
South Dakota	Miner County	46097	R	1,1,2,2-Tetrachloroethane	4.22E-06	4.22E-06	4.22E-06	4.22E-06	4.22E-06	4.22E-06	4.22E-06	4.22E-06	4.22E-06	0.00E+00	4.22E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Miner County	46097	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	8.11E-02	0.00E+00	1.47E-04	0.00E+00	0.00E+00	8.10E-02
South Dakota	Miner County	46097	R	Vinyl Chloride	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	1.04E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	Acetaldehyde	7.39E-02	7.88E-02	3.07E-01	3.59E-01	3.76E-01	4.24E-01	5.68E-01	6.08E-01	6.08E-01	0.00E+00	6.57E-02	2.25E-01	8.44E-02	0.00E+00
South Dakota	Minnehaha County	46099	U	Acrolein	7.92E-03	8.02E-03	2.73E-02	3.16E-02	3.11E-02	3.97E-02	4.24E-02	4.65E-02	0.00E+00	6.71E-03	1.77E-02	6.61E-03	0.00E+00	
South Dakota	Minnehaha County	46099	U	Acrylonitrile	4.90E-05	5.24E-05	9.65E-05	1.56E-04	1.78E-04	2.33E-04	3.44E-04	3.88E-04	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Minnehaha County	46099	U	Arsenic Compounds	1.15E-05	1.17E-05	4.84E-05	6.00E-05	6.39E-05	8.37E-05	1.04E-04	1.08E-04	2.36E-11	1.61E-05	2.95E-05	1.83E-05	0.00E+00	
South Dakota	Minnehaha County	46099	U	Benzene	5.59E-01	5.67E-01	8.91E-01	1.04E+00	1.02E+00	1.16E+00	1.30E+00	1.32E+00	3.36E-10	7.86E-02	3.65E-01	9.77E-02	4.80E-01	
South Dakota	Minnehaha County	46099	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
South Dakota	Minnehaha County	46099	U	Beryllium Compounds	5.99E-07	1.14E-06	2.99E-06	4.80E-06	6.38E-06	9.13E-06	1.57E-05	1.58E-05	1.53E-12	6.14E-06	0.00E+00	2.39E-07	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	1,3-Butadiene	3.44E-03	4.16E-03	3.08E-02	4.94E-02	4.77E-02	6.28E-02	7.20E-02	8.22E-02	0.00E+00	9.56E-04	3.45E-02	1.22E-02	0.00E+00	
South Dakota	Minnehaha County	46099	U	Cadmium Compounds	1.36E-06	2.71E-06	7.72E-06	9.63E-06	1.17E-05	1.54E-05	2.30E-05	2.54E-05	1.49E-10	1.14E-05	0.00E+00	2.38E-07	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	Carbon Disulfide	4.71E-02	4.71E-02	4.75E-02	4.80E-02	4.84E-02	4.91E-02	5.04E-02	5.08E-02	0.00E+00	1.39E-03	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Minnehaha County	46099	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	0.00E+00	3.64E-04	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Minnehaha County	46099	U	Chloroform	8.52E-02	8.57E-02	1.03E-01	1.13E-01	1.13E-01	1.24E-01	1.42E-01	1.53E-01	0.00E+00	3.00E-02	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Minnehaha County	46099	U	Chromium Compounds (includes Hexavalent)	4.70E-06	4.78E-06	2.63E-05	3.62E-05	3.63E-05	4.54E-05	5.90E-05	5.93E-05	1.82E-10	1.14E-05	2.35E-05	1.41E-06	0.00E+00	
South Dakota	Minnehaha County	46099	U	Chromium VI	1.80E-06	1.85E-06	1.07E-05	1.50E-05	1.54E-05	2.00E-05	2.71E-05	2.74E-05	6.19E-11	5.62E-06	9.34E-06	4.78E-07	0.00E+00	
South Dakota	Minnehaha County	46099	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
South Dakota	Minnehaha County	46099	U	1,4-Dichlorobenzene	1.80E-03	2.37E-03	1.76E-02	2.52E-02	2.56E-02	3.52E-02	4.90E-02	5.89E-02	0.00E+00	2.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	1,3-Dichloropropene	3.52E-03	4.74E-03	3.58E-02	5.14E-02	5.21E-02	7.19E-02	1.00E-01	1.20E-01	0.00E+00	5.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	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	1.03E-07	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Minnehaha County	46099	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	0.00E+00	1.43E-05	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Minnehaha County	46099	U	Ethylene Oxide	4.45E-05	1.10E-04	6.09E-04	1.33E-03	4.10E-03	2.72E-03	2.14E-02	2.19E-02	0.00E+00	4.10E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Minnehaha County	46099	U	Formaldehyde	3.16E-01	3.21E-01	5.02E-01	6.08E-01	5.78E-01	6.46E-01	7.07E-01	7.22E-01	3.73E-08	3.09E-02	1.71E-01	1.27E-01	2.50E-01	
South Dakota	Minnehaha County	46099	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	1.82E-07	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Minnehaha County	46099	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	1.86E-07	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Minnehaha County	46099	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
South Dakota	Minnehaha County	46099	U	Hydrazine	3.97E-10	4.14E-10	6.60E-09	1.21E-08	2.48E-08	2.30E-08	4.75E-08	6.20E-08	0.00E+00	2.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	Lead Compounds	2.27E-04	2.69E-04	5.49E-04	8.81E-04	1.66E-03	1.61E-03	2.94E-03	5.30E-03	6.64E-11	1.03E-04	0.00E+00	1.56E-03	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	Manganese Compounds	1.41E-05	1.47E-05	2.73E-05	3.23E-05	5.22E-05	7.04E-05	9.55E-05	1.05E-04	1.14E-05	3.13E-05	7.77E-06	1.67E-06	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	Mercury Compounds	1.51E-03	1.51E-03	1.55E-03	1.56E-03	1.56E-03	1.57E-03	1.60E-03	1.60E-03	4.16E-11	1.35E-05	3.00E-05	1.50E-05	1.50E-03	
South Dakota	Minnehaha County	46099	U	Methylene Chloride	1.56E-01	1.58E-01	1.96E-01	2.34E-01	2.69E-01	3.17E-01	4.66E-01	4.71E-01	0.00E+00	1.19E-01	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Minnehaha County	46099	U	Nickel Compounds	1.97E-05	2.20E-05	1.31E-04	2.14E-04	2.86E-04	3.89E-04	6.81E-04	9.09E-04	2.48E-10	2.66E-04	1.77E-05	2.72E-06	0.00E+00	0.00E+00
South Dakota	Minnehaha County	46099	U	Perchloroethylene	1.42E-01	1.43E-01	1.58E-01	1.73E-01	1.84E-01	1.98E-01	2.54E-01	2.68E-01	0.00E+00	4.36E-02	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Minnehaha County	46099	U	Polychlorinated Biphenyls	3.82E-04	3.83E-04	3.84E-04	3.92E-04	3.90E-04	3.92E-04	3.92E-04	3.92E-04	0.00E+00	9.53E-06	0.00E+00	0.00E+00	3.80E-04	

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

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	
South Dakota	Moody County	46101	R	Arsenic Compounds	9.46E-06	9.46E-06	9.46E-06	1.05E-05	1.05E-05	1.15E-05	1.15E-05	1.15E-05	1.15E-05	7.16E-10	6.35E-07	4.18E-06	5.68E-06	0.00E+00
South Dakota	Moody County	46101	R	Benzene	5.37E-01	5.37E-01	5.37E-01	5.40E-01	5.40E-01	5.43E-01	5.43E-01	5.43E-01	9.62E-09	1.41E-02	3.65E-02	9.47E-03	4.80E-01	
South Dakota	Moody County	46101	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
South Dakota	Moody County	46101	R	Beryllium Compounds	3.33E-07	3.33E-07	3.33E-07	3.40E-07	3.40E-07	3.46E-07	3.46E-07	3.46E-07	4.55E-11	3.08E-07	0.00E+00	3.22E-08	0.00E+00	
South Dakota	Moody County	46101	R	1,3-Butadiene	2.52E-03	2.52E-03	2.52E-03	2.88E-03	2.88E-03	3.25E-03	3.25E-03	3.25E-03	0.00E+00	4.35E-05	2.23E-03	6.05E-04	0.00E+00	
South Dakota	Moody County	46101	R	Cadmium Compounds	6.68E-07	6.68E-07	6.68E-07	6.95E-07	6.95E-07	7.22E-07	7.22E-07	7.22E-07	4.38E-09	6.59E-07	0.00E+00	3.19E-08	0.00E+00	
South Dakota	Moody County	46101	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	6.61E-05	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Moody County	46101	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	2.27E-05	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Moody County	46101	R	Chloroform	8.35E-02	8.35E-02	8.35E-02	8.36E-02	8.36E-02	8.38E-02	8.38E-02	8.38E-02	0.00E+00	6.30E-04	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Moody County	46101	R	Chromium Compounds (includes Hexavalent)	2.89E-05	2.89E-05	2.89E-05	3.51E-05	3.51E-05	4.13E-05	4.13E-05	4.13E-05	5.41E-09	3.25E-05	2.53E-06	9.62E-08	0.00E+00	
South Dakota	Moody County	46101	R	Chromium VI	1.00E-05	1.00E-05	1.00E-05	1.21E-05	1.21E-05	1.42E-05	1.42E-05	1.42E-05	1.84E-09	1.11E-05	1.01E-06	3.27E-08	0.00E+00	
South Dakota	Moody County	46101	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	
South Dakota	Moody County	46101	R	1,4-Dichlorobenzene	1.16E-03	1.16E-03	1.16E-03	1.36E-03	1.36E-03	1.57E-03	1.57E-03	1.57E-03	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	R	1,3-Dichloropropene	2.38E-03	2.38E-03	2.38E-03	2.83E-03	2.83E-03	3.27E-03	3.27E-03	3.27E-03	0.00E+00	2.83E-03	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	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	3.85E-08	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Moody County	46101	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	8.37E-06	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Moody County	46101	R	Ethylene Oxide	5.35E-05	5.35E-05	5.35E-05	5.36E-05	5.36E-05	5.37E-05	5.37E-05	5.37E-05	0.00E+00	5.36E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	R	Formaldehyde	3.14E-01	3.14E-01	3.14E-01	3.16E-01	3.16E-01	3.17E-01	3.17E-01	3.17E-01	6.54E-07	3.12E-03	2.30E-02	3.95E-02	2.50E-01	
South Dakota	Moody County	46101	R	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	1.88E-07	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Moody County	46101	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	8.64E-09	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Moody County	46101	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	
South Dakota	Moody County	46101	R	Hydrazine	2.52E-11	2.52E-11	2.52E-11	6.28E-11	6.28E-11	1.00E-10	1.00E-10	1.00E-10	0.00E+00	6.28E-11	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	R	Lead Compounds	5.29E-05	5.29E-05	5.29E-05	9.91E-05	9.91E-05	1.45E-04	1.45E-04	1.45E-04	1.97E-09	1.06E-05	0.00E+00	8.84E-05	0.00E+00	
South Dakota	Moody County	46101	R	Manganese Compounds	2.72E-06	2.72E-06	2.72E-06	2.79E-06	2.79E-06	2.87E-06	2.87E-06	2.87E-06	1.43E-09	1.55E-06	8.09E-07	4.30E-07	0.00E+00	
South Dakota	Moody County	46101	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	1.19E-09	6.51E-07	4.92E-06	4.96E-06	1.50E-03	
South Dakota	Moody County	46101	R	Methylene Chloride	1.55E-01	1.55E-01	1.55E-01	1.56E-01	1.56E-01	1.57E-01	1.57E-01	1.57E-01	0.00E+00	5.73E-03	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Moody County	46101	R	Nickel Compounds	1.13E-05	1.13E-05	1.13E-05	1.18E-05	1.18E-05	1.23E-05	1.23E-05	1.23E-05	7.52E-09	9.24E-06	1.93E-06	6.02E-07	0.00E+00	
South Dakota	Moody County	46101	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	1.34E-03	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Moody County	46101	R	Polychlorinated Biphenyls	3.85E-04	3.85E-04	3.85E-04	3.92E-04	3.92E-04	3.99E-04	3.99E-04	3.99E-04	0.00E+00	1.19E-05	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Moody County	46101	R	Polycyclic Organic Matter	3.85E-03	3.85E-03	3.85E-03	4.04E-03	4.04E-03	4.23E-03	4.23E-03	4.23E-03	3.18E-09	2.87E-03	8.63E-04	3.10E-04	0.00E+00	
South Dakota	Moody County	46101	R	7-PAH	1.48E-04	1.48E-04	1.48E-04	1.75E-04	1.75E-04	2.01E-04	2.01E-04	2.01E-04	5.20E-11	1.66E-04	6.46E-06	2.31E-06	0.00E+00	
South Dakota	Moody County	46101	R	Propylene Dichloride	3.49E-06	3.49E-06	3.49E-06	4.07E-06	4.07E-06	4.65E-06	4.65E-06	4.65E-06	0.00E+00	4.07E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	R	Quinoline	4.99E-10	4.99E-10	4.99E-10	1.06E-09	1.06E-09	1.63E-09	1.63E-09	1.63E-09	0.00E+00	1.06E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	R	1,1,2,2-Tetrachloroethane	3.10E-05	3.10E-05	3.10E-05	3.65E-05	3.65E-05	4.20E-05	4.20E-05	4.20E-05	0.00E+00	3.65E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Moody County	46101	R	Trichloroethylene	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	0.00E+00	6.90E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Moody County	46101	R	Vinyl Chloride	7.80E-05	7.80E-05	7.80E-05	9.16E-05	9.16E-05	1.05E-04	1.05E-04	1.05E-04	0.00E+00	9.16E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	U	Acetaldehyde	9.72E-02	1.71E-01	2.14E-01	2.63E-01	3.51E-01	3.74E-01	6.71E-01	1.07E+00	1.60E-02	1.38E-01	1.58E-01	3.86E-02	0.00E+00	
South Dakota	Pennington County	46103	U	Acrolein	4.37E-02	8.09E-02	1.02E-01	1.23E-01	1.18E-01	1.41E-01	1.59E-01	1.61E-01	1.67E-03	1.04E-01	1.04E-02	1.93E-03	0.00E+00	
South Dakota	Pennington County	46103	U	Acrylonitrile	9.06E-06	1.21E-05	2.00E-05	3.70E-05	9.98E-05	8.86E-05	3.01E-04	5.64E-04	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	U	Arsenic Compounds	3.82E-06	6.56E-06	1.20E-05	1.99E-05	3.29E-05	3.64E-05	8.82E-05	1.21E-04	7.14E-06	4.95E-06	1.62E-05	4.59E-06	0.00E+00	
South Dakota	Pennington County	46103	U	Benzene	5.95E-01	6.92E-01	7.55E-01	8.16E-01	9.56E-01	9.27E-01	1.60E+00	1.94E+00	1.07E-04	1.97E-01	2.32E-01	4.58E-02	4.80E-01	
South Dakota	Pennington County	46103	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	
South Dakota	Pennington County	46103	U	Beryllium Compounds	1.81E-07	3.93E-07	6.95E-07	9.33E-07	2.08E-06	2.03E-06	3.24E-06	1.04E-05	4.24E-08	2.00E-06	0.00E+00	3.74E-08	0.00E+00	
South Dakota	Pennington County	46103	U	1,3-Butadiene	7.56E-03	1.56E-02	2.51E-02	3.44E-02	4.77E-02	5.36E-02	1.10E-01	1.53E-01	0.00E+00	1.93E-02	2.29E-02	5.53E-03	0.00E+00	
South Dakota	Pennington County	46103	U	Cadmium Compounds	3.47E-07	7.08E-07	1.19E-06	1.62E-06	3.16E-06	2.74E-06	5.10E-06	1.49E-05	1.01E-07	3.02E-06	0.00E+00	3.71E-08	0.00E+00	
South Dakota	Pennington County	46103	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.76E-02	4.73E-02	4.83E-02	5.15E-02	2.83E-07	6.38E-04	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Pennington County	46103	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	1.70E-04	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Pennington County	46103	U	Chloroform	8.34E-02	8.41E-02	8.79E-02	9.49E-02	9.50E-02	1.02E-01	1.05E-01	1.09E-01	0.00E+00	1.20E-02	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Pennington County	46103	U	Chromium Compounds (includes Hexavalent)	5.18E-06	8.78E-06	4.60E-05	1.13E-04	1.29E-04	1.91E-04	2.91E-04	3.28E-04	5.45E-07	1.14E-04	1.35E-05	6.27E-07	0.00E+00	
South Dakota	Pennington County	46103	U	Chromium VI	1.28E-06	1.72E-06	7.14E-06	2.02E-05	2.27E-05	2.53E-05	5.68E-05	8.15E-05	1.03E-07	1.70E-05	5.41E-06	2.13E-07	0.00E+00	
South Dakota	Pennington County	46103	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	
South Dakota	Pennington County	46103	U	1,4-Dichlorobenzene	5.13E-04	1.29E-03	7.08E-03	1.39E-02	1.33E-02	2.02E-02	2.41E-02	2.57E-02	0.00E+00	1.33E-02	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	U	1,3-Dichloropropene	9.72E-04	2.56E-03	1.43E-02	2.83E-02	2.71E-02	4.11E-02	4.92E-02	5.26E-02	0.00E+00	2.71E-02	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	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	4.29E-08	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Pennington County	46103	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	8.72E-08	7.18E-06	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Pennington County	46103	U	Ethylene Oxide	1.26E-05	1.92E-05	9.47E-05	5.26E-04	8.19E-04	8.00E-04	1.27E-03	4.20E-03	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota																		

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

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	
South Dakota	Pennington County	46103	U	Methylene Chloride	1.51E-01	1.52E-01	1.60E-01	1.66E-01	2.09E-01	1.86E-01	2.61E-01	5.27E-01	1.67E-04	5.89E-02	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Pennington County	46103	U	Nickel Compounds	2.00E-06	2.93E-06	1.04E-05	1.98E-05	8.35E-05	5.01E-05	1.80E-04	5.37E-04	5.47E-07	7.20E-05	1.01E-05	8.46E-07	0.00E+00	
South Dakota	Pennington County	46103	U	Perchloroethylene	1.42E-01	1.46E-01	1.54E-01	1.60E-01	1.64E-01	1.73E-01	1.85E-01	2.01E-01	8.86E-08	2.45E-02	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Pennington County	46103	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.88E-04	0.00E+00	2.07E-06	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Pennington County	46103	U	Polycyclic Organic Matter	6.23E-03	1.27E-02	1.89E-02	2.38E-02	2.64E-02	3.08E-02	4.50E-02	5.36E-02	4.17E-08	2.11E-02	4.58E-03	7.58E-04	0.00E+00	
South Dakota	Pennington County	46103	U	7-PAH	1.26E-03	2.47E-03	3.24E-03	3.61E-03	3.77E-03	4.69E-03	5.52E-03	6.11E-03	8.07E-10	3.73E-03	2.97E-05	7.48E-06	0.00E+00	
South Dakota	Pennington County	46103	U	Propylene Dichloride	5.30E-07	6.96E-07	1.16E-06	1.79E-06	4.59E-06	4.32E-06	1.39E-05	2.49E-05	0.00E+00	4.59E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	U	Quinoline	4.64E-10	5.37E-10	2.23E-09	4.33E-09	2.04E-08	1.61E-08	4.92E-08	1.27E-07	0.00E+00	2.04E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	U	1,1,2,2-Tetrachloroethane	4.62E-06	5.55E-06	9.69E-06	1.09E-05	2.66E-05	1.93E-05	3.66E-05	1.44E-04	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Pennington County	46103	U	Trichloroethylene	8.11E-02	8.11E-02	8.15E-02	8.22E-02	8.88E-02	8.43E-02	9.56E-02	1.38E-01	0.00E+00	7.83E-03	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Pennington County	46103	U	Vinyl Chloride	1.14E-05	1.37E-05	2.41E-05	2.72E-05	6.65E-05	5.28E-05	9.04E-05	3.56E-04	0.00E+00	6.65E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	R	Acetaldehyde	3.21E+01	3.21E+01	3.21E+01	3.21E+01	3.21E+01	3.21E+01	3.21E+01	3.21E+01	0.00E+00	3.20E+01	1.33E-03	8.52E-03	0.00E+00	
South Dakota	Perkins County	46105	R	Acrolein	4.35E-02	4.35E-02	4.35E-02	4.35E-02	4.35E-02	4.35E-02	4.35E-02	4.35E-02	0.00E+00	4.32E-02	1.42E-04	1.47E-04	0.00E+00	
South Dakota	Perkins County	46105	R	Acrylonitrile	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	0.00E+00	2.22E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	R	Arsenic Compounds	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	1.02E-06	0.00E+00	2.34E-08	1.82E-07	8.17E-07	0.00E+00	
South Dakota	Perkins County	46105	R	Benzene	5.57E-01	5.57E-01	5.57E-01	5.57E-01	5.57E-01	5.57E-01	5.57E-01	5.57E-01	0.00E+00	7.42E-02	1.65E-03	1.35E-03	4.80E-01	
South Dakota	Perkins County	46105	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	
South Dakota	Perkins County	46105	R	Beryllium Compounds	4.76E-08	4.76E-08	4.76E-08	4.76E-08	4.76E-08	4.76E-08	4.76E-08	4.76E-08	0.00E+00	1.11E-08	0.00E+00	3.65E-08	0.00E+00	
South Dakota	Perkins County	46105	R	1,3-Butadiene	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	0.00E+00	9.86E-03	1.01E-04	8.15E-05	0.00E+00	
South Dakota	Perkins County	46105	R	Cadmium Compounds	5.85E-08	5.85E-08	5.85E-08	5.85E-08	5.85E-08	5.85E-08	5.85E-08	5.85E-08	0.00E+00	2.21E-08	0.00E+00	3.64E-08	0.00E+00	
South Dakota	Perkins County	46105	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	2.48E-06	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Perkins County	46105	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	1.04E-06	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Perkins County	46105	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	0.00E+00	4.52E-06	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Perkins County	46105	R	Chromium Compounds (includes Hexavalent)	1.44E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	1.44E-07	0.00E+00	1.70E-08	1.08E-07	1.90E-08	0.00E+00	
South Dakota	Perkins County	46105	R	Chromium VI	5.55E-08	5.55E-08	5.55E-08	5.55E-08	5.55E-08	5.55E-08	5.55E-08	5.55E-08	0.00E+00	7.66E-09	4.13E-08	6.48E-09	0.00E+00	
South Dakota	Perkins County	46105	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	
South Dakota	Perkins County	46105	R	1,4-Dichlorobenzene	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	6.51E-05	0.00E+00	6.51E-05	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	R	1,3-Dichloropropene	1.29E-04	1.29E-04	1.29E-04	1.29E-04	1.29E-04	1.29E-04	1.29E-04	1.29E-04	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	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	0.00E+00	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Perkins County	46105	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	3.79E-09	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Perkins County	46105	R	Ethylene Oxide	6.41E-07	6.41E-07	6.41E-07	6.41E-07	6.41E-07	6.41E-07	6.41E-07	6.41E-07	0.00E+00	6.41E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	R	Formaldehyde	9.19E+00	9.19E+00	9.19E+00	9.19E+00	9.19E+00	9.19E+00	9.19E+00	9.19E+00	0.00E+00	8.93E+00	9.50E-04	1.05E-02	2.50E-01	
South Dakota	Perkins County	46105	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	3.43E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Perkins County	46105	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	3.97E-10	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Perkins County	46105	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	
South Dakota	Perkins County	46105	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	
South Dakota	Perkins County	46105	R	Lead Compounds	1.28E-06	1.28E-06	1.28E-06	1.28E-06	1.28E-06	1.28E-06	1.28E-06	1.28E-06	0.00E+00	1.12E-06	0.00E+00	1.51E-07	0.00E+00	
South Dakota	Perkins County	46105	R	Manganese Compounds	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	1.69E-07	0.00E+00	7.42E-08	3.10E-08	6.37E-08	0.00E+00	
South Dakota	Perkins County	46105	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	0.00E+00	5.72E-08	2.20E-07	7.54E-07	1.50E-03	
South Dakota	Perkins County	46105	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	0.00E+00	2.52E-04	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Perkins County	46105	R	Nickel Compounds	5.26E-07	5.26E-07	5.26E-07	5.26E-07	5.26E-07	5.26E-07	5.26E-07	5.26E-07	0.00E+00	3.56E-07	7.77E-08	9.29E-08	0.00E+00	
South Dakota	Perkins County	46105	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	4.59E-05	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Perkins County	46105	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	7.17E-07	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Perkins County	46105	R	Polycyclic Organic Matter	3.88E-03	3.88E-03	3.88E-03	3.88E-03	3.88E-03	3.88E-03	3.88E-03	3.88E-03	0.00E+00	3.81E-03	3.66E-05	3.46E-05	0.00E+00	
South Dakota	Perkins County	46105	R	7-PAH	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	0.00E+00	1.54E-03	2.56E-07	3.60E-07	0.00E+00	
South Dakota	Perkins County	46105	R	Propylene Dichloride	6.59E-09	6.59E-09	6.59E-09	6.59E-09	6.59E-09	6.59E-09	6.59E-09	6.59E-09	0.00E+00	6.59E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	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	
South Dakota	Perkins County	46105	R	1,1,2,2-Tetrachloroethane	1.03E-09	1.03E-09	1.03E-09	1.03E-09	1.03E-09	1.03E-09	1.03E-09	1.03E-09	0.00E+00	1.03E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Perkins County	46105	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	0.00E+00	2.32E-05	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Perkins County	46105	R	Vinyl Chloride	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	3.81E-09	0.00E+00	3.81E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Potter County	46107	R	Acetaldehyde	5.92E-02	5.92E-02	5.92E-02	5.92E-02	5.92E-02	5.92E-02	5.92E-02	5.92E-02	0.00E+00	3.14E-02	2.29E-03	2.55E-02	0.00E+00	
South Dakota	Potter County	46107	R	Acrolein	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	0.00E+00	3.63E-03	2.23E-04	4.11E-04	0.00E+00	
South Dakota	Potter County	46107	R	Acrylonitrile	7.47E-07	7.47E-07	7.47E-07	7.47E-07	7.47E-07	7.47E-07	7.47E-07	7.47E-07	0.00E+00	7.47E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Potter County	46107	R	Arsenic Compounds	2.58E-06	2.58E-06	2.58E-06	2.58E-06	2.58E-06	2.58E-06	2.58E-06	2.58E-06	0.00E+00	3.71E-08	3.19E-07	2.23E-06	0.00E+00	
South Dakota	Potter County	46107	R	Benzene	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	4.96E-01	0.00E+00	8.23E-03	2.92E-03	4.59E-03	4.80E-01	
South Dakota	Potter County	46107	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	
South Dakota	Potter County	46107	R	Beryllium Compounds	3.34E-08	3												

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

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
South Dakota	Shannon County	46113	R	Lead Compounds	8.77E-08	8.77E-08	9.97E-08	2.20E-07	1.30E-06	3.04E-06	4.15E-06	4.15E-06	0.00E+00	3.43E-07	0.00E+00	9.60E-07	0.00E+00
South Dakota	Shannon County	46113	R	Manganese Compounds	1.67E-07	1.67E-07	2.21E-07	3.39E-07	3.90E-07	4.02E-07	8.68E-07	8.68E-07	0.00E+00	2.14E-07	1.41E-07	3.46E-08	0.00E+00
South Dakota	Shannon County	46113	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	0.00E+00	9.24E-08	9.25E-07	4.02E-07	1.50E-03
South Dakota	Shannon County	46113	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	0.00E+00	1.07E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	Shannon County	46113	R	Nickel Compounds	2.19E-07	2.19E-07	2.91E-07	4.50E-07	5.39E-07	6.21E-07	1.20E-06	1.20E-06	0.00E+00	1.34E-07	3.56E-07	4.94E-08	0.00E+00
South Dakota	Shannon County	46113	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	1.69E-04	0.00E+00	0.00E+00	1.40E-01
South Dakota	Shannon County	46113	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.82E-04	3.83E-04	3.84E-04	3.86E-04	3.86E-04	0.00E+00	2.53E-06	0.00E+00	0.00E+00	3.80E-04
South Dakota	Shannon County	46113	R	Polycyclic Organic Matter	1.22E-03	1.22E-03	2.67E-03	4.29E-03	4.72E-03	6.31E-03	9.52E-03	9.52E-03	0.00E+00	4.53E-03	1.59E-04	2.16E-05	0.00E+00
South Dakota	Shannon County	46113	R	7-PAH	4.19E-04	4.19E-04	8.71E-04	1.61E-03	1.70E-03	2.35E-03	3.35E-03	3.35E-03	0.00E+00	1.70E-03	1.19E-06	2.40E-07	0.00E+00
South Dakota	Shannon County	46113	R	Propylene Dichloride	2.00E-08	2.00E-08	2.45E-08	2.73E-08	3.75E-08	3.06E-08	9.54E-08	9.54E-08	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Shannon County	46113	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-12	0.00E+00	7.74E-12	7.74E-12	0.00E+00	1.29E-12	0.00E+00	0.00E+00	0.00E+00
South Dakota	Shannon County	46113	R	1,1,2,2-Tetrachloroethane	3.13E-09	3.13E-09	3.82E-09	4.27E-09	7.82E-08	4.80E-09	4.49E-07	4.49E-07	0.00E+00	7.82E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Shannon County	46113	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	0.00E+00	4.87E-05	0.00E+00	0.00E+00	8.10E-02
South Dakota	Shannon County	46113	R	Vinyl Chloride	1.16E-08	1.16E-08	1.44E-08	1.58E-08	1.98E-07	1.77E-08	1.12E-06	1.12E-06	0.00E+00	1.98E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	R	Acetaldehyde	4.12E-02	4.12E-02	4.12E-02	6.94E-02	7.42E-02	1.12E-01	1.12E-01	1.12E-01	0.00E+00	4.76E-02	7.47E-03	1.91E-02	0.00E+00
South Dakota	Spink County	46115	R	Acrolein	5.76E-03	5.76E-03	5.76E-03	1.60E-02	2.01E-02	3.85E-02	3.85E-02	3.85E-02	0.00E+00	1.89E-02	6.81E-04	4.70E-04	0.00E+00
South Dakota	Spink County	46115	R	Acrylonitrile	6.23E-07	6.23E-07	6.23E-07	3.36E-06	8.98E-06	2.30E-05	2.30E-05	2.30E-05	0.00E+00	8.98E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	R	Arsenic Compounds	3.52E-06	3.52E-06	3.52E-06	3.90E-06	5.13E-06	7.96E-06	7.96E-06	7.96E-06	0.00E+00	2.10E-07	1.57E-06	3.35E-06	0.00E+00
South Dakota	Spink County	46115	R	Benzene	4.97E-01	4.97E-01	4.97E-01	5.19E-01	5.40E-01	6.04E-01	6.04E-01	6.04E-01	0.00E+00	4.27E-02	1.29E-02	4.82E-03	4.80E-01
South Dakota	Spink County	46115	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
South Dakota	Spink County	46115	R	Beryllium Compounds	3.90E-08	3.90E-08	3.90E-08	2.05E-07	2.87E-07	6.17E-07	6.17E-07	6.17E-07	0.00E+00	1.14E-07	0.00E+00	1.73E-07	0.00E+00
South Dakota	Spink County	46115	R	1,3-Butadiene	1.58E-03	1.58E-03	1.58E-03	5.05E-03	1.11E-02	2.66E-02	2.66E-02	2.66E-02	0.00E+00	9.45E-03	1.22E-03	4.17E-04	0.00E+00
South Dakota	Spink County	46115	R	Cadmium Compounds	5.67E-08	5.67E-08	5.67E-08	2.24E-07	3.15E-07	6.65E-07	6.65E-07	6.65E-07	0.00E+00	1.73E-07	0.00E+00	1.73E-07	0.00E+00
South Dakota	Spink County	46115	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	0.00E+00	4.95E-05	0.00E+00	0.00E+00	4.70E-02
South Dakota	Spink County	46115	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	1.43E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Spink County	46115	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.32E-02	8.32E-02	8.32E-02	0.00E+00	8.59E-05	0.00E+00	0.00E+00	8.30E-02
South Dakota	Spink County	46115	R	Chromium Compounds (includes Hexavalent)	2.67E-07	2.67E-07	2.67E-07	5.99E-07	1.10E-06	2.43E-06	2.43E-06	2.43E-06	0.00E+00	1.53E-07	8.60E-07	8.56E-08	0.00E+00
South Dakota	Spink County	46115	R	Chromium VI	1.04E-07	1.04E-07	1.04E-07	2.40E-07	4.45E-07	9.91E-07	9.91E-07	9.91E-07	0.00E+00	7.18E-08	3.44E-07	2.91E-08	0.00E+00
South Dakota	Spink County	46115	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
South Dakota	Spink County	46115	R	1,4-Dichlorobenzene	1.62E-04	1.62E-04	1.62E-04	4.89E-04	1.02E-03	2.42E-03	2.42E-03	2.42E-03	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	R	1,3-Dichloropropene	3.16E-04	3.16E-04	3.16E-04	9.80E-04	2.07E-03	4.92E-03	4.92E-03	4.92E-03	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	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	2.58E-09	0.00E+00	0.00E+00	7.70E-03
South Dakota	Spink County	46115	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	6.14E-07	0.00E+00	0.00E+00	6.10E-02
South Dakota	Spink County	46115	R	Ethylene Oxide	1.35E-06	1.35E-06	1.35E-06	1.08E-05	2.21E-05	5.42E-05	5.42E-05	5.42E-05	0.00E+00	2.21E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	R	Formaldehyde	3.40E-01	3.40E-01	3.40E-01	3.48E-01	3.98E-01	5.05E-01	5.05E-01	5.05E-01	0.00E+00	1.15E-01	6.49E-03	2.58E-02	2.50E-01
South Dakota	Spink County	46115	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	1.16E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Spink County	46115	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	7.83E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Spink County	46115	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
South Dakota	Spink County	46115	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
South Dakota	Spink County	46115	R	Lead Compounds	1.05E-06	1.05E-06	1.05E-06	6.16E-06	1.77E-05	4.60E-05	4.60E-05	4.60E-05	0.00E+00	1.71E-05	0.00E+00	5.99E-07	0.00E+00
South Dakota	Spink County	46115	R	Manganese Compounds	4.54E-07	4.54E-07	4.54E-07	6.29E-07	9.62E-07	1.80E-06	1.80E-06	1.80E-06	0.00E+00	4.35E-07	2.64E-07	2.63E-07	0.00E+00
South Dakota	Spink County	46115	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	0.00E+00	3.50E-07	1.91E-06	3.07E-06	1.50E-03
South Dakota	Spink County	46115	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.55E-01	1.62E-01	1.62E-01	1.62E-01	0.00E+00	4.94E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	Spink County	46115	R	Nickel Compounds	6.44E-07	6.44E-07	6.44E-07	1.10E-06	1.97E-06	4.18E-06	4.18E-06	4.18E-06	0.00E+00	9.09E-07	6.71E-07	3.94E-07	0.00E+00
South Dakota	Spink County	46115	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.41E-01	1.41E-01	0.00E+00	5.01E-04	0.00E+00	0.00E+00	1.40E-01
South Dakota	Spink County	46115	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.83E-04	3.86E-04	3.95E-04	3.95E-04	3.95E-04	0.00E+00	6.50E-06	0.00E+00	0.00E+00	3.80E-04
South Dakota	Spink County	46115	R	Polycyclic Organic Matter	1.11E-03	1.11E-03	1.11E-03	2.31E-03	3.55E-03	7.22E-03	7.22E-03	7.22E-03	0.00E+00	3.08E-03	3.11E-04	1.53E-04	0.00E+00
South Dakota	Spink County	46115	R	7-PAH	2.18E-04	2.18E-04	2.18E-04	6.17E-04	9.01E-04	1.87E-03	1.87E-03	1.87E-03	0.00E+00	8.98E-04	2.32E-06	1.09E-06	0.00E+00
South Dakota	Spink County	46115	R	Propylene Dichloride	2.22E-08	2.22E-08	2.22E-08	1.38E-07	4.10E-07	1.07E-06	1.07E-06	1.07E-06	0.00E+00	4.10E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	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
South Dakota	Spink County	46115	R	1,1,2,2-Tetrachloroethane	6.80E-08	6.80E-08	6.80E-08	6.88E-07	2.58E-06	6.99E-06	6.99E-06	6.99E-06	0.00E+00	2.58E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Spink County	46115	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.13E-02	8.18E-02	8.18E-02	8.18E-02	0.00E+00	3.20E-04	0.00E+00	0.00E+00	8.10E-02
South Dakota	Spink County	46115	R	Vinyl Chloride	1.70E-07	1.70E-07	1.70E-07	1.71E-06	6.39E-06	1.73E-05	1.73E-05	1.73E-05	0.00E+00	6.39E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Stanley County	46117	R	Acetaldehyde	6.42E-02	6.42E-02	6.42E-02	1.42E-01	1.42E-01	2.20E-01	2.20E-01	2.20E-01	0.00E+00	1.27E-01	5.01E-03	9.74E-03	0.00E+00
South Dakota	Stanley County	46117	R	Acrolein	1.25E-02	1.25E-02	1.25E-02	2.41E-02	2.41E-02	3.58E-02	3.58E-02	3.58E-02	0.00E+00	2.32E-02	4.85E-04	4.08E-04	0.00E+00
South Dakota	Stanley County	46117	R	Acrylonitrile	3.84E-06	3.84E-06	3.84E-06	5.74E-06	5.74E-06	7.65E-06	7.65E-06	7.65E-06	0.00E+00	5.74E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Stanley County	46117	R	Arsenic Compounds	1.68E-06	1.68E-06	1.68E-06										

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts									Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background	
South Dakota	Stanley County	46117	R	Chloroform	8.34E-02	8.34E-02	8.34E-02	8.41E-02	8.41E-02	8.48E-02	8.48E-02	8.48E-02	0.00E+00	1.10E-03	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Stanley County	46117	R	Chromium Compounds (includes Hexavalent)	2.80E-07	2.80E-07	2.80E-07	4.07E-07	4.07E-07	5.33E-07	5.33E-07	5.33E-07	0.00E+00	7.70E-08	2.83E-07	4.68E-08	0.00E+00	
South Dakota	Stanley County	46117	R	Chromium VI	1.11E-07	1.11E-07	1.11E-07	1.65E-07	1.65E-07	2.18E-07	2.18E-07	2.18E-07	0.00E+00	3.42E-08	1.15E-07	1.59E-08	0.00E+00	
South Dakota	Stanley County	46117	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	
South Dakota	Stanley County	46117	R	1,4-Dichlorobenzene	1.39E-04	1.39E-04	1.39E-04	3.31E-04	3.31E-04	5.23E-04	5.23E-04	5.23E-04	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Stanley County	46117	R	1,3-Dichloropropene	2.66E-04	2.66E-04	2.66E-04	6.54E-04	6.54E-04	1.04E-03	1.04E-03	1.04E-03	0.00E+00	6.54E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Stanley County	46117	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	3.54E-09	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Stanley County	46117	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	7.53E-07	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Stanley County	46117	R	Ethylene Oxide	3.44E-06	3.44E-06	3.44E-06	7.27E-06	7.27E-06	1.11E-05	1.11E-05	1.11E-05	0.00E+00	7.27E-06	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Stanley County	46117	R	Formaldehyde	3.45E-01	3.45E-01	3.45E-01	4.33E-01	4.33E-01	5.21E-01	5.21E-01	5.21E-01	0.00E+00	1.69E-01	2.81E-03	1.09E-02	2.50E-01	
South Dakota	Stanley County	46117	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	2.89E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Stanley County	46117	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	1.64E-09	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Stanley County	46117	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	
South Dakota	Stanley County	46117	R	Hydrazine	2.28E-11	2.28E-11	2.28E-11	9.46E-11	9.46E-11	1.66E-10	1.66E-10	1.66E-10	0.00E+00	9.46E-11	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Stanley County	46117	R	Lead Compounds	3.08E-05	3.08E-05	3.08E-05	8.64E-05	8.64E-05	1.42E-04	1.42E-04	1.42E-04	0.00E+00	2.13E-06	0.00E+00	8.43E-05	0.00E+00	
South Dakota	Stanley County	46117	R	Manganese Compounds	3.06E-07	3.06E-07	3.06E-07	4.30E-07	4.30E-07	5.55E-07	5.55E-07	5.55E-07	0.00E+00	2.43E-07	8.58E-08	1.02E-07	0.00E+00	
South Dakota	Stanley County	46117	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	0.00E+00	1.21E-07	4.70E-07	1.07E-06	1.50E-03	
South Dakota	Stanley County	46117	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	1.52E-01	0.00E+00	1.24E-03	0.00E+00	0.00E+00	1.50E-01	
South Dakota	Stanley County	46117	R	Nickel Compounds	5.67E-07	5.67E-07	5.67E-07	8.89E-07	8.89E-07	1.21E-06	1.21E-06	1.21E-06	0.00E+00	5.22E-07	2.20E-07	1.47E-07	0.00E+00	
South Dakota	Stanley County	46117	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	9.38E-04	0.00E+00	0.00E+00	1.40E-01	
South Dakota	Stanley County	46117	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	0.00E+00	5.55E-07	0.00E+00	0.00E+00	3.80E-04	
South Dakota	Stanley County	46117	R	Polycyclic Organic Matter	1.35E-03	1.35E-03	1.35E-03	2.66E-03	2.66E-03	3.97E-03	3.97E-03	3.97E-03	0.00E+00	2.45E-03	1.04E-04	1.04E-04	0.00E+00	
South Dakota	Stanley County	46117	R	7-PAH	3.88E-04	3.88E-04	3.88E-04	8.35E-04	8.35E-04	1.28E-03	1.28E-03	1.28E-03	0.00E+00	8.35E-04	6.30E-07	1.66E-06	0.00E+00	
South Dakota	Stanley County	46117	R	Propylene Dichloride	2.06E-07	2.06E-07	2.06E-07	3.26E-07	3.26E-07	4.47E-07	4.47E-07	4.47E-07	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Stanley County	46117	R	Quinoline	3.75E-10	3.75E-10	3.75E-10	1.03E-09	1.03E-09	1.69E-09	1.69E-09	1.69E-09	0.00E+00	1.03E-09	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Stanley County	46117	R	1,1,1,2,2-Tetrachloroethane	1.41E-06	1.41E-06	1.41E-06	2.66E-06	2.66E-06	3.91E-06	3.91E-06	3.91E-06	0.00E+00	2.66E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Stanley County	46117	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	1.27E-04	0.00E+00	0.00E+00	8.10E-02	
South Dakota	Stanley County	46117	R	Vinyl Chloride	3.53E-06	3.53E-06	3.53E-06	6.59E-06	6.59E-06	9.64E-06	9.64E-06	9.64E-06	0.00E+00	6.59E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	R	Acetaldehyde	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	0.00E+00	4.73E-02	2.33E-03	3.89E-02	0.00E+00	
South Dakota	Sully County	46119	R	Acrolein	1.51E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02	0.00E+00	1.43E-02	2.31E-04	5.91E-04	0.00E+00	
South Dakota	Sully County	46119	R	Acrylonitrile	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06	1.29E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	R	Arsenic Compounds	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	2.89E-06	0.00E+00	3.14E-08	2.11E-07	2.65E-06	0.00E+00	
South Dakota	Sully County	46119	R	Benzene	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	5.13E-01	0.00E+00	2.41E-02	2.21E-03	7.02E-03	4.80E-01	
South Dakota	Sully County	46119	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	
South Dakota	Sully County	46119	R	Beryllium Compounds	1.93E-08	1.93E-08	1.93E-08	1.93E-08	1.93E-08	1.93E-08	1.93E-08	1.93E-08	0.00E+00	1.93E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	R	1,3-Butadiene	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	2.44E-03	0.00E+00	2.00E-03	9.21E-05	3.55E-04	0.00E+00	
South Dakota	Sully County	46119	R	Cadmium Compounds	3.07E-08	3.07E-08	3.07E-08	3.07E-08	3.07E-08	3.07E-08	3.07E-08	3.07E-08	0.00E+00	3.07E-08	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	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	4.84E-06	0.00E+00	0.00E+00	4.70E-02	
South Dakota	Sully County	46119	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	1.87E-06	0.00E+00	0.00E+00	8.80E-01	
South Dakota	Sully County	46119	R	Chloroform	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	8.38E-02	0.00E+00	8.32E-04	0.00E+00	0.00E+00	8.30E-02	
South Dakota	Sully County	46119	R	Chromium Compounds (includes Hexavalent)	2.01E-07	2.01E-07	2.01E-07	2.01E-07	2.01E-07	2.01E-07	2.01E-07	2.01E-07	0.00E+00	2.47E-08	1.26E-07	5.01E-08	0.00E+00	
South Dakota	Sully County	46119	R	Chromium VI	7.78E-08	7.78E-08	7.78E-08	7.78E-08	7.78E-08	7.78E-08	7.78E-08	7.78E-08	0.00E+00	1.07E-08	5.01E-08	1.70E-08	0.00E+00	
South Dakota	Sully County	46119	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	
South Dakota	Sully County	46119	R	1,4-Dichlorobenzene	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	R	1,3-Dichloropropene	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.35E-04	0.00E+00	2.35E-04	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	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	6.28E-10	0.00E+00	0.00E+00	7.70E-03	
South Dakota	Sully County	46119	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	1.36E-07	0.00E+00	0.00E+00	6.10E-02	
South Dakota	Sully County	46119	R	Ethylene Oxide	1.70E-06	1.70E-06	1.70E-06	1.70E-06	1.70E-06	1.70E-06	1.70E-06	1.70E-06	0.00E+00	1.70E-06	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	R	Formaldehyde	3.87E-01	3.87E-01	3.87E-01	3.87E-01	3.87E-01	3.87E-01	3.87E-01	3.87E-01	0.00E+00	9.32E-02	1.41E-03	4.23E-02	2.50E-01	
South Dakota	Sully County	46119	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	7.89E-08	0.00E+00	0.00E+00	9.30E-05	
South Dakota	Sully County	46119	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	6.76E-10	0.00E+00	0.00E+00	1.80E-03	
South Dakota	Sully County	46119	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	
South Dakota	Sully County	46119	R	Hydrazine	6.13E-12	6.13E-12	6.13E-12	6.13E-12	6.13E-12	6.13E-12	6.13E-12	6.13E-12	0.00E+00	6.13E-12	0.00E+00	0.00E+00	0.00E+00	
South Dakota	Sully County	46119	R	Lead Compounds	1.29E-05	1.29E-05	1.29E-05	1.29E-05	1.29E-05	1.29E-05	1.29E-05	1.29E-05	0.00E+00	2.43E-06	0.00E+00	1.05E-05	0.00E+00	
South Dakota	Sully County	46119	R	Manganese Compounds	3.47E-07	3.47E-07	3.47E-07	3.47E-07	3.47E-07	3.47E-07	3.47E-07	3.47E-07	0.00E+00	1.10E-07	3.54E-08	2.01E-07	0.00E+00	
South Dakota	Sully County	46119	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	0.00E+00	3.72E-08	2.49E-07	2.28E-06	1.50E-03	
South Dakota	Sully County																	

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

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		
South Dakota	Sully County	46119	R	1,1,2,2-Tetrachloroethane	5.04E-07	5.04E-07	5.04E-07	5.04E-07	5.04E-07	5.04E-07	5.04E-07	5.04E-07	5.04E-07	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Sully County	46119	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	0.00E+00	3.94E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Sully County	46119	R	Vinyl Chloride	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	1.25E-06	0.00E+00	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Acetaldehyde	8.08E-02	8.08E-02	8.08E-02	2.75E-01	2.75E-01	4.68E-01	4.68E-01	4.68E-01	4.68E-01	0.00E+00	2.63E-01	7.24E-03	4.66E-03	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Acrolein	3.41E-02	3.41E-02	3.41E-02	4.93E-02	4.93E-02	6.46E-02	6.46E-02	6.46E-02	6.46E-02	0.00E+00	4.85E-02	6.65E-04	2.02E-04	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Acrylonitrile	1.47E-06	1.47E-06	1.47E-06	1.51E-06	1.51E-06	1.56E-06	1.56E-06	1.56E-06	1.56E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Arsenic Compounds	2.21E-06	2.21E-06	2.21E-06	2.38E-06	2.38E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	0.00E+00	9.94E-08	1.01E-06	1.27E-06	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Benzene	5.54E-01	5.54E-01	5.54E-01	5.75E-01	5.75E-01	5.97E-01	5.97E-01	5.97E-01	5.97E-01	0.00E+00	8.50E-02	8.50E-03	1.91E-03	4.80E-01	0.00E+00
South Dakota	Todd County	46121	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
South Dakota	Todd County	46121	R	Beryllium Compounds	6.25E-08	6.25E-08	6.25E-08	6.31E-08	6.31E-08	6.37E-08	6.37E-08	6.37E-08	6.37E-08	0.00E+00	6.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	1,3-Butadiene	9.98E-03	9.98E-03	9.98E-03	1.06E-02	1.06E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	0.00E+00	9.86E-03	5.91E-04	1.16E-04	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Cadmium Compounds	1.01E-07	1.01E-07	1.01E-07	1.02E-07	1.02E-07	1.03E-07	1.03E-07	1.03E-07	1.03E-07	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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	0.00E+00	1.69E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02
South Dakota	Todd County	46121	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	6.49E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01
South Dakota	Todd County	46121	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.31E-02	8.31E-02	8.31E-02	8.31E-02	0.00E+00	6.77E-05	0.00E+00	0.00E+00	0.00E+00	8.30E-02
South Dakota	Todd County	46121	R	Chromium Compounds (includes Hexavalent)	6.44E-07	6.44E-07	6.44E-07	6.79E-07	6.79E-07	7.15E-07	7.15E-07	7.15E-07	7.15E-07	0.00E+00	7.52E-08	5.88E-07	1.60E-08	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Chromium VI	2.53E-07	2.53E-07	2.53E-07	2.66E-07	2.66E-07	2.78E-07	2.78E-07	2.78E-07	2.78E-07	0.00E+00	3.13E-08	2.29E-07	5.45E-09	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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
South Dakota	Todd County	46121	R	1,4-Dichlorobenzene	3.80E-04	3.80E-04	3.80E-04	4.28E-04	4.28E-04	4.76E-04	4.76E-04	4.76E-04	4.76E-04	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	1,3-Dichloropropene	7.53E-04	7.53E-04	7.53E-04	8.55E-04	8.55E-04	9.57E-04	9.57E-04	9.57E-04	9.57E-04	0.00E+00	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03
South Dakota	Todd County	46121	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	2.41E-08	0.00E+00	0.00E+00	0.00E+00	6.10E-02
South Dakota	Todd County	46121	R	Ethylene Oxide	7.50E-06	7.50E-06	7.50E-06	1.04E-05	1.04E-05	1.34E-05	1.34E-05	1.34E-05	1.34E-05	0.00E+00	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Formaldehyde	4.43E-01	4.43E-01	4.43E-01	6.60E-01	6.60E-01	8.77E-01	8.77E-01	8.77E-01	8.77E-01	0.00E+00	3.97E-01	4.94E-03	7.58E-03	2.50E-01	0.00E+00
South Dakota	Todd County	46121	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	9.31E-05	0.00E+00	7.06E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
South Dakota	Todd County	46121	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	2.71E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
South Dakota	Todd County	46121	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
South Dakota	Todd County	46121	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
South Dakota	Todd County	46121	R	Lead Compounds	6.45E-07	6.45E-07	6.45E-07	1.29E-06	1.29E-06	1.93E-06	1.93E-06	1.93E-06	1.93E-06	0.00E+00	5.32E-07	0.00E+00	0.00E+00	7.57E-07	0.00E+00
South Dakota	Todd County	46121	R	Manganese Compounds	6.04E-07	6.04E-07	6.04E-07	6.26E-07	6.26E-07	6.48E-07	6.48E-07	6.48E-07	6.48E-07	0.00E+00	3.51E-07	1.80E-07	9.47E-08	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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	1.50E-03	0.00E+00	1.54E-07	1.19E-06	1.11E-06	1.50E-03	0.00E+00
South Dakota	Todd County	46121	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	1.52E-01	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01
South Dakota	Todd County	46121	R	Nickel Compounds	9.49E-07	9.49E-07	9.49E-07	9.85E-07	9.85E-07	1.02E-06	1.02E-06	1.02E-06	1.02E-06	0.00E+00	4.09E-07	4.45E-07	1.31E-07	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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	1.40E-01	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
South Dakota	Todd County	46121	R	Polychlorinated Biphenyls	3.84E-04	3.84E-04	3.84E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
South Dakota	Todd County	46121	R	Polycyclic Organic Matter	4.34E-03	4.34E-03	4.34E-03	5.42E-03	5.42E-03	6.50E-03	6.50E-03	6.50E-03	6.50E-03	0.00E+00	5.17E-03	2.02E-04	4.82E-05	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	7-PAH	1.35E-03	1.35E-03	1.35E-03	1.84E-03	1.84E-03	2.32E-03	2.32E-03	2.32E-03	2.32E-03	0.00E+00	1.83E-03	1.48E-06	4.18E-07	0.00E+00	0.00E+00
South Dakota	Todd County	46121	R	Propylene Dichloride	4.37E-08	4.37E-08	4.37E-08	4.50E-08	4.50E-08	4.63E-08	4.63E-08	4.63E-08	4.63E-08	0.00E+00	4.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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
South Dakota	Todd County	46121	R	1,1,2,2-Tetrachloroethane	6.84E-09	6.84E-09	6.84E-09	7.05E-09	7.05E-09	7.26E-09	7.26E-09	7.26E-09	7.26E-09	0.00E+00	7.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Todd County	46121	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	8.11E-02	0.00E+00	8.72E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
South Dakota	Todd County	46121	R	Vinyl Chloride	2.53E-08	2.53E-08	2.53E-08	2.60E-08	2.60E-08	2.68E-08	2.68E-08	2.68E-08	2.68E-08	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Acetaldehyde	7.59E-02	7.59E-02	7.59E-02	9.67E-02	9.67E-02	1.17E-01	1.17E-01	1.17E-01	1.17E-01	0.00E+00	7.10E-02	1.34E-02	1.23E-02	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Acrolein	2.01E-02	2.01E-02	2.01E-02	2.02E-02	2.02E-02	2.03E-02	2.03E-02	2.03E-02	2.03E-02	0.00E+00	1.90E-02	8.55E-04	3.89E-04	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Acrylonitrile	7.81E-06	7.81E-06	7.81E-06	7.81E-06	7.81E-06	7.82E-06	7.82E-06	7.82E-06	7.82E-06	0.00E+00	7.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Arsenic Compounds	5.58E-06	5.58E-06	5.58E-06	5.59E-06	5.59E-06	5.60E-06	5.60E-06	5.60E-06	5.60E-06	0.00E+00	6.89E-07	2.27E-06	2.63E-06	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Benzene	5.47E-01	5.47E-01	5.47E-01	5.47E-01	5.47E-01	5.47E-01	5.47E-01	5.47E-01	5.47E-01	0.00E+00	4.37E-02	1.82E-02	5.14E-03	4.80E-01	0.00E+00
South Dakota	Tripp County	46123	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
South Dakota	Tripp County	46123	R	Beryllium Compounds	3.99E-07	3.99E-07	3.99E-07	3.99E-07	3.99E-07	4.00E-07	4.00E-07	4.00E-07	4.00E-07	0.00E+00	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	1,3-Butadiene	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.90E-03	7.91E-03	7.91E-03	7.91E-03	7.91E-03	0.00E+00	5.53E-03	1.83E-03	5.49E-04	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Cadmium Compounds	4.75E-07	4.75E-07	4.75E-07	4.76E-07	4.76E										

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

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	
South Dakota	Tripp County	46123	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	1.40E-08	0.00E+00	0.00E+00	1.80E-03
South Dakota	Tripp County	46123	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
South Dakota	Tripp County	46123	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
South Dakota	Tripp County	46123	R	Lead Compounds	6.78E-06	6.78E-06	6.78E-06	6.79E-06	6.79E-06	6.80E-06	6.80E-06	6.80E-06	6.80E-06	0.00E+00	6.76E-06	0.00E+00	2.96E-08	0.00E+00
South Dakota	Tripp County	46123	R	Manganese Compounds	1.97E-06	1.97E-06	1.97E-06	1.97E-06	1.97E-06	1.97E-06	1.97E-06	1.97E-06	1.97E-06	0.00E+00	1.36E-06	4.02E-07	2.04E-07	1.00E+00
South Dakota	Tripp County	46123	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	0.00E+00	6.24E-07	2.58E-06	2.22E-06	0.00E-03
South Dakota	Tripp County	46123	R	Methylene Chloride	1.58E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	0.00E+00	8.48E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	Tripp County	46123	R	Nickel Compounds	4.50E-06	4.50E-06	4.50E-06	4.51E-06	4.51E-06	4.51E-06	4.51E-06	4.51E-06	4.51E-06	0.00E+00	3.29E-06	9.18E-07	3.00E-07	0.00E+00
South Dakota	Tripp County	46123	R	Perchloroethylene	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.42E-01	0.00E+00	1.63E-03	0.00E+00	0.00E+00	1.40E-01
South Dakota	Tripp County	46123	R	Polychlorinated Biphenyls	3.97E-04	3.97E-04	3.97E-04	3.97E-04	3.97E-04	3.97E-04	3.97E-04	3.97E-04	3.97E-04	0.00E+00	1.67E-05	0.00E+00	0.00E+00	3.80E-04
South Dakota	Tripp County	46123	R	Polycyclic Organic Matter	4.50E-03	4.50E-03	4.50E-03	4.51E-03	4.51E-03	4.52E-03	4.52E-03	4.52E-03	4.52E-03	0.00E+00	3.96E-03	4.37E-04	1.13E-04	0.00E+00
South Dakota	Tripp County	46123	R	7-PAH	8.50E-04	8.50E-04	8.50E-04	8.53E-04	8.53E-04	8.55E-04	8.55E-04	8.55E-04	8.55E-04	0.00E+00	8.49E-04	2.97E-06	7.77E-07	0.00E+00
South Dakota	Tripp County	46123	R	Propylene Dichloride	2.32E-07	2.32E-07	2.32E-07	2.33E-07	2.33E-07	2.33E-07	2.33E-07	2.33E-07	2.33E-07	0.00E+00	2.33E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	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
South Dakota	Tripp County	46123	R	1,1,2,2-Tetrachloroethane	3.64E-08	3.64E-08	3.64E-08	3.64E-08	3.64E-08	3.64E-08	3.64E-08	3.64E-08	3.64E-08	0.00E+00	3.64E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Tripp County	46123	R	Trichloroethylene	8.18E-02	8.18E-02	8.18E-02	8.18E-02	8.18E-02	8.18E-02	8.18E-02	8.18E-02	8.18E-02	0.00E+00	8.40E-04	0.00E+00	0.00E+00	8.10E-02
South Dakota	Tripp County	46123	R	Vinyl Chloride	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.35E-07	1.35E-07	1.35E-07	1.35E-07	0.00E+00	1.34E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R	Acetaldehyde	4.68E-02	4.68E-02	4.68E-02	4.95E-02	4.95E-02	5.22E-02	5.22E-02	5.22E-02	5.22E-02	0.00E+00	7.90E-03	2.02E-02	2.14E-02	0.00E+00
South Dakota	Turner County	46125	R	Acrolein	4.01E-03	4.01E-03	4.01E-03	4.42E-03	4.42E-03	4.82E-03	4.82E-03	4.82E-03	4.82E-03	0.00E+00	1.67E-03	1.96E-03	7.85E-04	0.00E+00
South Dakota	Turner County	46125	R	Acrylonitrile	4.95E-06	4.95E-06	4.95E-06	1.28E-05	1.28E-05	2.06E-05	2.06E-05	2.06E-05	2.06E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R	Arsenic Compounds	6.87E-06	6.87E-06	6.87E-06	7.01E-06	7.01E-06	7.15E-06	7.15E-06	7.15E-06	7.15E-06	0.00E+00	3.43E-07	2.08E-06	4.59E-06	0.00E+00
South Dakota	Turner County	46125	R	Benzene	5.15E-01	5.15E-01	5.15E-01	5.18E-01	5.18E-01	5.21E-01	5.21E-01	5.21E-01	5.21E-01	0.00E+00	1.19E-02	1.95E-02	6.40E-03	4.80E-01
South Dakota	Turner County	46125	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
South Dakota	Turner County	46125	R	Beryllium Compounds	1.87E-07	1.87E-07	1.87E-07	2.04E-07	2.04E-07	2.22E-07	2.22E-07	2.22E-07	2.22E-07	0.00E+00	1.82E-07	0.00E+00	2.27E-08	0.00E+00
South Dakota	Turner County	46125	R	1,3-Butadiene	1.36E-03	1.36E-03	1.36E-03	1.46E-03	1.46E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	0.00E+00	1.72E-04	8.92E-04	3.93E-04	0.00E+00
South Dakota	Turner County	46125	R	Cadmium Compounds	2.92E-07	2.92E-07	2.92E-07	3.51E-07	3.51E-07	4.10E-07	4.10E-07	4.10E-07	4.10E-07	0.00E+00	3.29E-07	0.00E+00	2.25E-08	0.00E+00
South Dakota	Turner County	46125	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	0.00E+00	5.06E-05	0.00E+00	0.00E+00	4.70E-02
South Dakota	Turner County	46125	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	1.60E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Turner County	46125	R	Chloroform	8.39E-02	8.39E-02	8.39E-02	8.40E-02	8.40E-02	8.41E-02	8.41E-02	8.41E-02	8.41E-02	0.00E+00	1.01E-03	0.00E+00	0.00E+00	8.30E-02
South Dakota	Turner County	46125	R	Chromium Compounds (includes Hexavalent)	1.71E-06	1.71E-06	1.71E-06	2.01E-05	2.01E-05	3.84E-05	3.84E-05	3.84E-05	3.84E-05	1.84E-05	2.68E-07	1.28E-06	6.15E-08	0.00E+00
South Dakota	Turner County	46125	R	Chromium VI	6.73E-07	6.73E-07	6.73E-07	1.18E-05	1.18E-05	2.29E-05	2.29E-05	2.29E-05	2.29E-05	1.11E-05	1.15E-07	5.00E-07	2.09E-08	0.00E+00
South Dakota	Turner County	46125	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
South Dakota	Turner County	46125	R	1,4-Dichlorobenzene	9.89E-04	9.89E-04	9.89E-04	1.00E-03	1.00E-03	1.02E-03	1.02E-03	1.02E-03	1.02E-03	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R	1,3-Dichloropropene	1.86E-03	1.86E-03	1.86E-03	1.91E-03	1.91E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	0.00E+00	1.91E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	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	8.73E-09	0.00E+00	0.00E+00	7.70E-03
South Dakota	Turner County	46125	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	1.33E-06	0.00E+00	0.00E+00	6.10E-02
South Dakota	Turner County	46125	R	Ethylene Oxide	2.37E-05	2.37E-05	2.37E-05	3.52E-05	3.52E-05	4.67E-05	4.67E-05	4.67E-05	4.67E-05	0.00E+00	3.52E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R	Formaldehyde	3.09E-01	3.09E-01	3.09E-01	3.11E-01	3.11E-01	3.12E-01	3.12E-01	3.12E-01	3.12E-01	0.00E+00	1.33E-02	1.28E-02	3.46E-02	2.50E-01
South Dakota	Turner County	46125	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	9.31E-05	0.00E+00	1.42E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Turner County	46125	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	5.67E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Turner County	46125	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
South Dakota	Turner County	46125	R	Hydrazine	1.76E-10	1.76E-10	1.76E-10	7.84E-10	7.84E-10	1.39E-09	1.39E-09	1.39E-09	1.39E-09	0.00E+00	7.84E-10	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R	Lead Compounds	1.93E-05	1.93E-05	1.93E-05	3.35E-05	3.35E-05	4.76E-05	4.76E-05	4.76E-05	4.76E-05	0.00E+00	3.77E-06	0.00E+00	2.97E-05	0.00E+00
South Dakota	Turner County	46125	R	Manganese Compounds	3.15E-05	3.15E-05	3.15E-05	5.58E-05	5.58E-05	8.01E-05	8.01E-05	8.01E-05	8.01E-05	4.98E-05	5.31E-06	3.81E-07	3.43E-07	0.00E+00
South Dakota	Turner County	46125	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	0.00E+00	3.34E-07	2.45E-06	4.02E-06	1.50E-03
South Dakota	Turner County	46125	R	Methylene Chloride	1.53E-01	1.53E-01	1.53E-01	1.54E-01	1.54E-01	1.54E-01	1.54E-01	1.54E-01	1.54E-01	0.00E+00	3.54E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	Turner County	46125	R	Nickel Compounds	6.07E-06	6.07E-06	6.07E-06	1.56E-05	1.56E-05	2.52E-05	2.52E-05	2.52E-05	2.52E-05	9.85E-06	4.34E-06	9.81E-07	4.74E-07	0.00E+00
South Dakota	Turner County	46125	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	0.00E+00	1.16E-03	0.00E+00	0.00E+00	1.40E-01
South Dakota	Turner County	46125	R	Polychlorinated Biphenyls	3.87E-04	3.87E-04	3.87E-04	3.87E-04	3.87E-04	3.88E-04	3.88E-04	3.88E-04	3.88E-04	0.00E+00	7.44E-06	0.00E+00	0.00E+00	3.80E-04
South Dakota	Turner County	46125	R	Polycyclic Organic Matter	2.60E-03	2.60E-03	2.60E-03	2.91E-03	2.91E-03	3.22E-03	3.22E-03	3.22E-03	3.22E-03	0.00E+00	2.26E-03	4.52E-04	1.97E-04	0.00E+00
South Dakota	Turner County	46125	R	7-PAH	1.47E-04	1.47E-04	1.47E-04	1.71E-04	1.71E-04	1.96E-04	1.96E-04	1.96E-04	1.96E-04	0.00E+00	1.67E-04	3.29E-06	1.26E-06	0.00E+00
South Dakota	Turner County	46125	R	Propylene Dichloride	2.39E-07	2.39E-07	2.39E-07	7.02E-07	7.02E-07	1.17E-06	1.17E-06	1.17E-06	1.17E-06	0.00E+00	7.02E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R	Quinoline	2.38E-09	2.38E-09	2.38E-09	4.15E-09	4.15E-09	5.93E-09	5.93E-09	5.93E-09	5.93E-09	0.00E+00	4.15E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	Turner County	46125	R															

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

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
South Dakota	Union County	46127	R	Cadmium Compounds	5.22E-07	5.22E-07	5.22E-07	8.28E-07	2.09E-06	4.93E-06	4.93E-06	4.93E-06	8.13E-07	1.16E-06	0.00E+00	1.15E-07	0.00E+00
South Dakota	Union County	46127	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.74E-02	4.74E-02	4.74E-02	2.18E-06	2.01E-04	0.00E+00	0.00E+00	4.70E-02
South Dakota	Union County	46127	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	3.33E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Union County	46127	R	Chloroform	8.34E-02	8.34E-02	8.34E-02	8.41E-02	8.45E-02	8.60E-02	8.60E-02	8.60E-02	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.30E-02
South Dakota	Union County	46127	R	Chromium Compounds (includes Hexavalent)	3.17E-06	3.17E-06	3.17E-06	3.91E-05	4.72E-05	9.93E-05	9.93E-05	9.93E-05	3.52E-05	7.53E-06	4.28E-06	1.53E-07	0.00E+00
South Dakota	Union County	46127	R	Chromium VI	1.28E-06	1.28E-06	1.28E-06	6.04E-06	7.19E-06	1.43E-05	1.43E-05	1.43E-05	3.87E-06	1.58E-06	1.68E-06	5.21E-08	0.00E+00
South Dakota	Union County	46127	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
South Dakota	Union County	46127	R	1,4-Dichlorobenzene	9.71E-04	9.71E-04	9.71E-04	1.89E-03	2.54E-03	4.77E-03	4.77E-03	4.77E-03	0.00E+00	2.54E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	1,3-Dichloropropene	1.89E-03	1.89E-03	1.89E-03	3.60E-03	4.95E-03	9.37E-03	9.37E-03	9.37E-03	0.00E+00	4.95E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	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	4.43E-08	0.00E+00	0.00E+00	7.70E-03
South Dakota	Union County	46127	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	6.71E-07	5.31E-06	0.00E+00	0.00E+00	6.10E-02
South Dakota	Union County	46127	R	Ethylene Oxide	1.08E-05	1.08E-05	1.08E-05	3.49E-05	5.72E-05	1.26E-04	1.26E-04	1.26E-04	0.00E+00	5.72E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	Formaldehyde	3.10E-01	3.10E-01	3.10E-01	3.67E-01	3.51E-01	3.75E-01	3.75E-01	3.75E-01	1.03E-05	2.31E-02	3.99E-02	3.77E-02	2.50E-01
South Dakota	Union County	46127	R	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	1.58E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Union County	46127	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	1.63E-08	0.00E+00	0.00E+00	1.80E-03
South Dakota	Union County	46127	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	1.41E-07	1.76E-07	3.87E-07	3.87E-07	3.87E-07	0.00E+00	1.76E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	Hydrazine	2.28E-10	2.28E-10	2.28E-10	9.55E-10	2.04E-09	4.93E-09	4.93E-09	4.93E-09	0.00E+00	2.04E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	Lead Compounds	1.88E-05	1.88E-05	1.88E-05	1.69E-04	2.01E-04	4.17E-04	4.17E-04	4.17E-04	4.05E-05	8.95E-05	0.00E+00	7.14E-05	0.00E+00
South Dakota	Union County	46127	R	Manganese Compounds	9.45E-06	9.45E-06	9.45E-06	5.90E-04	4.61E-04	7.84E-04	7.84E-04	7.84E-04	1.01E-04	3.58E-04	1.35E-06	3.86E-07	0.00E+00
South Dakota	Union County	46127	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	3.75E-09	1.62E-06	7.46E-06	4.25E-06	1.50E-03
South Dakota	Union County	46127	R	Methylene Chloride	1.54E-01	1.54E-01	1.54E-01	1.57E-01	1.60E-01	1.68E-01	1.68E-01	1.68E-01	4.62E-06	9.75E-03	0.00E+00	0.00E+00	1.50E-01
South Dakota	Union County	46127	R	Nickel Compounds	3.11E-05	3.11E-05	3.11E-05	7.31E-05	1.07E-04	2.17E-04	2.17E-04	2.17E-04	3.76E-05	6.55E-05	3.23E-06	7.18E-07	0.00E+00
South Dakota	Union County	46127	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.43E-01	1.44E-01	1.48E-01	1.48E-01	1.48E-01	6.85E-07	4.04E-03	0.00E+00	0.00E+00	1.40E-01
South Dakota	Union County	46127	R	Polychlorinated Biphenyls	3.89E-04	3.89E-04	3.89E-04	3.89E-04	3.91E-04	3.94E-04	3.94E-04	3.94E-04	0.00E+00	1.09E-05	0.00E+00	0.00E+00	3.80E-04
South Dakota	Union County	46127	R	Polycyclic Organic Matter	3.24E-03	3.24E-03	3.24E-03	5.38E-03	5.79E-03	8.76E-03	8.76E-03	8.76E-03	3.22E-07	4.04E-03	1.47E-03	2.89E-04	0.00E+00
South Dakota	Union County	46127	R	P-PAH	1.42E-04	1.42E-04	1.42E-04	2.66E-04	2.38E-04	3.06E-04	3.06E-04	3.06E-04	6.52E-09	2.25E-04	1.08E-05	2.40E-06	0.00E+00
South Dakota	Union County	46127	R	Propylene Dichloride	1.13E-06	1.13E-06	1.13E-06	1.23E-06	2.75E-06	5.90E-06	5.90E-06	5.90E-06	0.00E+00	2.75E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	Quinoline	4.31E-09	4.31E-09	4.31E-09	1.72E-08	2.80E-08	6.26E-08	6.26E-08	6.26E-08	0.00E+00	2.80E-08	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	1,1,2,2-Tetrachloroethane	6.97E-06	6.97E-06	6.97E-06	9.87E-06	2.04E-05	4.43E-05	4.43E-05	4.43E-05	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Union County	46127	R	Trichloroethylene	8.20E-02	8.20E-02	8.20E-02	8.24E-02	8.31E-02	8.49E-02	8.49E-02	8.49E-02	0.00E+00	2.09E-03	0.00E+00	0.00E+00	8.10E-02
South Dakota	Union County	46127	R	Vinyl Chloride	1.78E-05	1.78E-05	1.78E-05	2.45E-05	5.11E-05	1.11E-04	1.11E-04	1.11E-04	0.00E+00	5.11E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	U	Acetaldehyde	7.41E-02	7.41E-02	7.41E-02	2.98E+00	5.89E+00	5.89E+00	5.89E+00	5.89E+00	0.00E+00	2.96E+00	5.91E-03	1.67E-02	0.00E+00
South Dakota	Walworth County	46129	U	Acrolein	7.84E-03	7.84E-03	7.84E-03	2.60E-02	2.60E-02	4.41E-02	4.41E-02	4.41E-02	0.00E+00	2.49E-02	4.94E-04	5.98E-04	0.00E+00
South Dakota	Walworth County	46129	U	Acrylonitrile	2.80E-06	2.80E-06	2.80E-06	5.60E-06	5.60E-06	8.41E-06	8.41E-06	8.41E-06	0.00E+00	5.60E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	U	Arsenic Compounds	2.28E-06	2.28E-06	2.28E-06	3.41E-06	3.41E-06	4.53E-06	4.53E-06	4.53E-06	0.00E+00	3.84E-07	1.06E-06	1.96E-06	0.00E+00
South Dakota	Walworth County	46129	U	Benzene	5.00E-01	5.00E-01	5.00E-01	5.51E-01	5.51E-01	6.02E-01	6.02E-01	6.02E-01	0.00E+00	5.20E-02	9.28E-03	9.96E-03	4.80E-01
South Dakota	Walworth County	46129	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
South Dakota	Walworth County	46129	U	Beryllium Compounds	1.33E-07	1.33E-07	1.33E-07	4.47E-07	4.47E-07	7.60E-07	7.60E-07	7.60E-07	0.00E+00	2.02E-07	0.00E+00	2.44E-07	0.00E+00
South Dakota	Walworth County	46129	U	1,3-Butadiene	8.15E-04	8.15E-04	8.15E-04	1.05E-02	1.05E-02	2.02E-02	2.02E-02	2.02E-02	0.00E+00	8.97E-03	8.74E-04	6.81E-04	0.00E+00
South Dakota	Walworth County	46129	U	Cadmium Compounds	1.55E-07	1.55E-07	1.55E-07	4.92E-07	4.92E-07	8.28E-07	8.28E-07	8.28E-07	0.00E+00	2.48E-07	0.00E+00	2.44E-07	0.00E+00
South Dakota	Walworth County	46129	U	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	0.00E+00	4.61E-05	0.00E+00	0.00E+00	4.70E-02
South Dakota	Walworth County	46129	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	1.35E-05	0.00E+00	0.00E+00	8.80E-01
South Dakota	Walworth County	46129	U	Chloroform	8.32E-02	8.32E-02	8.32E-02	8.46E-02	8.46E-02	8.61E-02	8.61E-02	8.61E-02	0.00E+00	1.64E-03	0.00E+00	0.00E+00	8.30E-02
South Dakota	Walworth County	46129	U	Chromium Compounds (includes Hexavalent)	2.34E-07	2.34E-07	2.34E-07	9.81E-07	9.81E-07	1.73E-06	1.73E-06	1.73E-06	0.00E+00	2.76E-07	5.62E-07	1.43E-07	0.00E+00
South Dakota	Walworth County	46129	U	Chromium VI	9.40E-08	9.40E-08	9.40E-08	3.96E-07	3.96E-07	6.98E-07	6.98E-07	6.98E-07	0.00E+00	1.29E-07	2.18E-07	4.85E-08	0.00E+00
South Dakota	Walworth County	46129	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
South Dakota	Walworth County	46129	U	1,4-Dichlorobenzene	1.42E-04	1.42E-04	1.42E-04	1.09E-03	1.09E-03	2.04E-03	2.04E-03	2.04E-03	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	U	1,3-Dichloropropene	2.78E-04	2.78E-04	2.78E-04	2.21E-03	2.21E-03	4.15E-03	4.15E-03	4.15E-03	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	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	8.44E-10	0.00E+00	0.00E+00	7.70E-03
South Dakota	Walworth County	46129	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	0.00E+00	8.62E-07	0.00E+00	0.00E+00	6.10E-02
South Dakota	Walworth County	46129	U	Ethylene Oxide	2.39E-06	2.39E-06	2.39E-06	5.39E-05	5.39E-05	1.06E-04	1.06E-04	1.06E-04	0.00E+00	5.39E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	U	Formaldehyde	3.64E-01	3.64E-01	3.64E-01	1.00E+00	1.00E+00	1.64E+00	1.64E+00	1.64E+00	0.00E+00	7.27E-01	4.84E-03	1.94E-02	2.50E-01
South Dakota	Walworth County	46129	U	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	9.30E-05
South Dakota	Walworth County	46129	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	7.34E-09	0.00E+00	0.00E+00	1.80E-03
South Dakota	Walworth County	46129	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
South Dakota	Walworth County	46129	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
South Dakota	Walworth County	46129	U	Lead Compounds	1.08E-05	1.08E-05	1.08E-										

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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
South Dakota	Walworth County	46129	U	7-PAH	2.54E-04	2.54E-04	2.54E-04	1.01E-03	1.01E-03	1.76E-03	1.76E-03	1.76E-03	0.00E+00	1.00E-03	1.23E-06	3.44E-06	0.00E+00
South Dakota	Walworth County	46129	U	Propylene Dichloride	1.58E-07	1.58E-07	1.58E-07	2.13E-07	2.13E-07	2.69E-07	2.69E-07	2.69E-07	0.00E+00	2.13E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	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
South Dakota	Walworth County	46129	U	1,1,2,2-Tetrachloroethane	3.72E-07	3.72E-07	3.72E-07	8.55E-07	8.55E-07	1.34E-06	1.34E-06	1.34E-06	0.00E+00	8.55E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Walworth County	46129	U	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.16E-02	8.16E-02	8.21E-02	8.21E-02	8.21E-02	0.00E+00	5.51E-04	0.00E+00	0.00E+00	8.10E-02
South Dakota	Walworth County	46129	U	Vinyl Chloride	9.60E-07	9.60E-07	9.60E-07	2.13E-06	2.13E-06	3.30E-06	3.30E-06	3.30E-06	0.00E+00	2.13E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	Acetaldehyde	8.59E-02	8.59E-02	9.59E-02	1.12E-01	1.30E-01	1.65E-01	2.11E-01	2.11E-01	0.00E+00	5.67E-02	5.25E-02	2.12E-02	0.00E+00
South Dakota	Yankton County	46135	U	Acrolein	1.09E-02	1.09E-02	1.54E-02	2.14E-02	2.12E-02	2.71E-02	3.12E-02	3.12E-02	0.00E+00	1.51E-02	4.62E-03	1.55E-03	0.00E+00
South Dakota	Yankton County	46135	U	Acrylonitrile	2.50E-05	2.50E-05	2.52E-05	2.79E-05	4.76E-05	7.00E-05	1.10E-04	1.10E-04	0.00E+00	4.76E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	Arsenic Compounds	6.39E-06	6.39E-06	1.10E-05	1.56E-05	2.11E-05	3.12E-05	4.68E-05	4.68E-05	0.00E+00	4.41E-06	9.60E-06	7.08E-06	0.00E+00
South Dakota	Yankton County	46135	U	Benzene	5.29E-01	5.29E-01	5.70E-01	6.12E-01	6.67E-01	7.64E-01	9.13E-01	9.13E-01	0.00E+00	6.37E-02	9.61E-02	2.70E-02	4.80E-01
South Dakota	Yankton County	46135	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
South Dakota	Yankton County	46135	U	Beryllium Compounds	2.79E-07	2.79E-07	5.82E-07	9.16E-07	1.55E-06	2.51E-06	4.07E-06	4.07E-06	0.00E+00	1.45E-06	0.00E+00	9.79E-08	0.00E+00
South Dakota	Yankton County	46135	U	1,3-Butadiene	3.02E-03	3.02E-03	6.45E-03	1.11E-02	1.59E-02	2.54E-02	3.84E-02	3.84E-02	0.00E+00	3.47E-03	9.38E-03	3.05E-03	0.00E+00
South Dakota	Yankton County	46135	U	Cadmium Compounds	4.82E-07	4.82E-07	1.10E-06	1.78E-06	2.83E-06	4.56E-06	7.27E-06	7.27E-06	0.00E+00	2.73E-06	0.00E+00	9.78E-08	0.00E+00
South Dakota	Yankton County	46135	U	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.74E-02	4.77E-02	4.81E-02	4.81E-02	0.00E+00	3.85E-04	0.00E+00	0.00E+00	4.70E-02
South Dakota	Yankton County	46135	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	1.15E-04	0.00E+00	0.00E+00	8.80E-01
South Dakota	Yankton County	46135	U	Chloroform	8.36E-02	8.36E-02	8.44E-02	8.52E-02	8.64E-02	8.84E-02	9.15E-02	9.15E-02	0.00E+00	3.38E-03	0.00E+00	0.00E+00	8.30E-02
South Dakota	Yankton County	46135	U	Chromium Compounds (includes Hexavalent)	2.48E-04	2.48E-04	3.18E-04	1.27E-03	1.81E-03	3.29E-03	4.42E-03	4.42E-03	1.80E-03	2.98E-06	6.29E-06	3.88E-07	0.00E+00
South Dakota	Yankton County	46135	U	Chromium VI	1.47E-04	1.47E-04	1.98E-04	5.59E-04	1.08E-03	1.97E-03	3.07E-03	3.07E-03	1.08E-03	1.53E-06	2.56E-06	1.32E-07	0.00E+00
South Dakota	Yankton County	46135	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
South Dakota	Yankton County	46135	U	1,4-Dichlorobenzene	1.15E-03	1.15E-03	3.13E-03	5.16E-03	7.61E-03	1.21E-02	1.90E-02	1.90E-02	0.00E+00	7.61E-03	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	1,3-Dichloropropene	2.26E-03	2.26E-03	6.30E-03	1.04E-02	1.55E-02	2.46E-02	3.87E-02	3.87E-02	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	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	1.03E-08	0.00E+00	0.00E+00	7.70E-03
South Dakota	Yankton County	46135	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	0.00E+00	2.71E-06	0.00E+00	0.00E+00	6.10E-02
South Dakota	Yankton County	46135	U	Ethylene Oxide	3.73E-05	3.73E-05	8.70E-05	2.30E-04	2.91E-04	4.96E-04	6.68E-04	6.68E-04	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	Formaldehyde	3.64E-01	3.64E-01	3.75E-01	3.99E-01	4.21E-01	4.68E-01	5.24E-01	5.24E-01	0.00E+00	8.87E-02	4.70E-02	3.57E-02	2.50E-01
South Dakota	Yankton County	46135	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.34E-05	9.36E-05	9.39E-05	9.39E-05	0.00E+00	3.83E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Yankton County	46135	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
South Dakota	Yankton County	46135	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
South Dakota	Yankton County	46135	U	Hydrazine	1.39E-10	1.39E-10	1.41E-10	1.67E-10	1.82E-10	2.22E-10	2.55E-10	2.55E-10	0.00E+00	1.82E-10	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	Lead Compounds	1.57E-04	1.57E-04	1.76E-04	5.18E-04	5.76E-04	9.75E-04	1.11E-03	1.11E-03	0.00E+00	2.26E-04	0.00E+00	3.50E-04	0.00E+00
South Dakota	Yankton County	46135	U	Manganese Compounds	2.21E-04	2.21E-04	5.59E-04	1.69E-03	1.56E-03	2.55E-03	2.63E-03	2.63E-03	1.08E-03	4.74E-04	2.07E-06	6.05E-07	0.00E+00
South Dakota	Yankton County	46135	U	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.54E-03	1.54E-03	0.00E+00	2.93E-06	1.07E-05	5.99E-06	1.50E-03
South Dakota	Yankton County	46135	U	Methylene Chloride	1.54E-01	1.54E-01	1.61E-01	1.69E-01	1.85E-01	2.09E-01	2.48E-01	2.48E-01	0.00E+00	3.48E-02	0.00E+00	0.00E+00	1.50E-01
South Dakota	Yankton County	46135	U	Nickel Compounds	1.54E-04	1.54E-04	1.96E-04	1.16E-03	1.17E-03	2.13E-03	2.19E-03	2.19E-03	1.06E-03	9.78E-05	4.54E-06	9.38E-07	0.00E+00
South Dakota	Yankton County	46135	U	Perchloroethylene	1.46E-01	1.46E-01	1.56E-01	1.68E-01	1.69E-01	1.83E-01	1.97E-01	1.97E-01	0.00E+00	2.95E-02	0.00E+00	0.00E+00	1.40E-01
South Dakota	Yankton County	46135	U	Polychlorinated Biphenyls	3.85E-04	3.85E-04	3.94E-04	4.04E-04	4.17E-04	4.41E-04	4.76E-04	4.76E-04	0.00E+00	3.72E-05	0.00E+00	0.00E+00	3.80E-04
South Dakota	Yankton County	46135	U	Polycyclic Organic Matter	3.83E-03	3.83E-03	6.30E-03	9.25E-03	1.49E-02	2.36E-02	3.75E-02	3.75E-02	0.00E+00	1.19E-02	2.17E-03	9.20E-04	0.00E+00
South Dakota	Yankton County	46135	U	7-PAH	4.18E-04	4.18E-04	5.65E-04	7.85E-04	1.00E-03	1.44E-03	2.02E-03	2.02E-03	0.00E+00	9.81E-04	1.45E-05	7.02E-06	0.00E+00
South Dakota	Yankton County	46135	U	Propylene Dichloride	1.06E-06	1.06E-06	1.22E-06	1.41E-06	1.88E-06	2.53E-06	3.62E-06	3.62E-06	0.00E+00	1.88E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	Quinoline	1.97E-09	1.97E-09	2.00E-09	2.30E-09	2.81E-09	3.62E-09	4.69E-09	4.69E-09	0.00E+00	2.81E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	1,1,2,2-Tetrachloroethane	5.16E-06	5.16E-06	5.81E-06	7.42E-06	7.98E-06	1.02E-05	1.19E-05	1.19E-05	0.00E+00	7.98E-06	0.00E+00	0.00E+00	0.00E+00
South Dakota	Yankton County	46135	U	Trichloroethylene	8.15E-02	8.15E-02	8.27E-02	8.40E-02	8.76E-02	9.26E-02	1.01E-01	1.01E-01	0.00E+00	6.65E-03	0.00E+00	0.00E+00	8.10E-02
South Dakota	Yankton County	46135	U	Vinyl Chloride	1.29E-05	1.29E-05	1.47E-05	1.87E-05	1.99E-05	2.52E-05	2.95E-05	2.95E-05	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00
South Dakota	Ziebach County	46137	R	Acetaldehyde	5.76E-01	5.76E-01	1.26E+00	2.20E+00	5.48E+00	5.45E+00	1.79E+01	1.79E+01	0.00E+00	5.45E+00	1.67E-02	1.41E-02	0.00E+00
South Dakota	Ziebach County	46137	R	Acrolein	1.77E-02	1.77E-02	2.16E-02	3.08E-02	3.56E-02	3.61E-02	7.18E-02	7.18E-02	0.00E+00	3.47E-02	6.75E-04	1.97E-04	0.00E+00
South Dakota	Ziebach County	46137	R	Acrylonitrile	1.56E-07	1.56E-07	1.80E-07	2.42E-07	2.75E-07	3.29E-07	4.68E-07	4.68E-07	0.00E+00	2.75E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Ziebach County	46137	R	Arsenic Compounds	3.81E-07	3.81E-07	5.59E-07	9.55E-07	3.58E-06	1.01E-06	1.50E-05	1.50E-05	0.00E+00	1.08E-07	2.21E-06	1.27E-06	0.00E+00
South Dakota	Ziebach County	46137	R	Benzene	5.14E-01	5.14E-01	5.24E-01	5.35E-01	5.68E-01	6.15E-01	6.52E-01	6.52E-01	0.00E+00	6.85E-02	1.74E-02	2.13E-03	4.80E-01
South Dakota	Ziebach County	46137	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
South Dakota	Ziebach County	46137	R	Beryllium Compounds	4.60E-09	4.60E-09	1.17E-08	1.18E-08	8.66E-08	5.47E-08	3.50E-07	3.50E-07	0.00E+00	7.91E-08	0.00E+00	7.55E-09	0.00E+00
South Dakota	Ziebach County	46137	R	1,3-Butadiene	4.86E-03	4.86E-03	7.98E-03	8.13E-03	1.25E-02	1.75E-02	2.39E-02	2.39E-02	0.00E+00	1.04E-02	1.91E-03	1.68E-04	0.00E+00
South Dakota	Ziebach County	46137	R	Cadmium Compounds	9.44E-09	9.44E-09	1.57E-08	1.64E-08	1.02E-07	6.56E-08	4.04E-07	4.04E-07	0.00E+00	9.47E-08	0.00E+00	7.53E-09	0.00E+00
South Dakota	Ziebach County	46137	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	3.08E-06	0.00E+00	0.00E+00	4.70E-02
South Dakota	Ziebach County	46137	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	1.47E-06	0.00E+00	0.00E+00	8.80E-01

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Estimated Annual Average Ambient Concentrations µg/m3 for South Dakota

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
South Dakota	Ziebach County	46137	R	Ethylene Oxide	8.97E-08	8.97E-08	2.47E-07	3.80E-07	6.29E-07	4.63E-07	1.97E-06	1.97E-06	0.00E+00	6.29E-07	0.00E+00	0.00E+00	0.00E+00
South Dakota	Ziebach County	46137	R	Formaldehyde	8.22E-01	8.22E-01	1.20E+00	1.91E+00	2.71E+00	4.36E+00	5.25E+00	5.25E+00	0.00E+00	2.43E+00	1.14E-02	1.54E-02	2.50E-01
South Dakota	Ziebach County	46137	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.30E-05	9.35E-05	9.35E-05	0.00E+00	1.24E-07	0.00E+00	0.00E+00	9.30E-05
South Dakota	Ziebach County	46137	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	4.93E-10	0.00E+00	0.00E+00	1.80E-03
South Dakota	Ziebach County	46137	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
South Dakota	Ziebach County	46137	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
South Dakota	Ziebach County	46137	R	Lead Compounds	3.24E-08	3.24E-08	5.92E-08	7.00E-08	3.04E-07	2.05E-07	1.16E-06	1.16E-06	0.00E+00	2.45E-07	0.00E+00	5.94E-08	0.00E+00
South Dakota	Ziebach County	46137	R	Manganese Compounds	8.08E-08	8.08E-08	1.13E-07	1.48E-07	7.35E-07	2.04E-07	3.13E-06	3.13E-06	0.00E+00	2.68E-07	3.72E-07	9.58E-08	0.00E+00
South Dakota	Ziebach County	46137	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.52E-03	1.52E-03	0.00E+00	9.41E-08	2.62E-06	1.08E-06	1.50E-03
South Dakota	Ziebach County	46137	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.50E-01	1.52E-01	1.52E-01	0.00E+00	6.89E-04	0.00E+00	0.00E+00	1.50E-01
South Dakota	Ziebach County	46137	R	Nickel Compounds	8.59E-08	8.59E-08	1.56E-07	2.18E-07	1.18E-06	2.32E-07	5.23E-06	5.23E-06	0.00E+00	1.34E-07	9.10E-07	1.40E-07	0.00E+00
South Dakota	Ziebach County	46137	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	0.00E+00	3.21E-04	0.00E+00	0.00E+00	1.40E-01
South Dakota	Ziebach County	46137	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.81E-04	3.81E-04	3.92E-04	3.82E-04	4.35E-04	4.35E-04	0.00E+00	1.16E-05	0.00E+00	0.00E+00	3.80E-04
South Dakota	Ziebach County	46137	R	Polycyclic Organic Matter	1.70E-03	1.70E-03	2.31E-03	2.83E-03	4.63E-03	6.78E-03	9.55E-03	9.55E-03	0.00E+00	4.18E-03	4.05E-04	4.74E-05	0.00E+00
South Dakota	Ziebach County	46137	R	7-PAH	6.45E-04	6.45E-04	8.46E-04	1.13E-03	1.37E-03	1.49E-03	2.75E-03	2.75E-03	0.00E+00	1.37E-03	2.92E-06	4.95E-07	0.00E+00
South Dakota	Ziebach County	46137	R	Propylene Dichloride	4.64E-09	4.64E-09	5.36E-09	7.20E-09	8.19E-09	9.80E-09	1.39E-08	1.39E-08	0.00E+00	8.19E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	Ziebach County	46137	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
South Dakota	Ziebach County	46137	R	1,1,2,2-Tetrachloroethane	7.27E-10	7.27E-10	8.40E-10	1.13E-09	1.28E-09	1.54E-09	2.18E-09	2.18E-09	0.00E+00	1.28E-09	0.00E+00	0.00E+00	0.00E+00
South Dakota	Ziebach County	46137	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	0.00E+00	2.74E-05	0.00E+00	0.00E+00	8.10E-02
South Dakota	Ziebach County	46137	R	Vinyl Chloride	2.69E-09	2.69E-09	3.10E-09	4.16E-09	4.73E-09	5.67E-09	8.06E-09	8.06E-09	0.00E+00	4.73E-09	0.00E+00	0.00E+00	0.00E+00