

US EPA ARCHIVE DOCUMENT

1999 DRAFT Modeled Ambient Concentrations for North 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 North 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		
North Dakota	Statewide	N/A	N/A	Acetaldehyde	3.34E-02	3.91E-02	5.24E-02	1.13E-01	3.15E+00	3.35E-01	7.13E-01	1.15E+00	2.47E-04	3.08E+00	3.65E-02	3.72E-02	0.00E+00		
North Dakota	Statewide	N/A	N/A	Acrolein	2.26E-03	5.30E-03	1.53E-02	2.87E-02	1.38E-01	1.09E-01	5.48E-01	6.18E-01	1.94E-05	1.33E-01	3.98E-03	1.59E-03	0.00E+00		
North Dakota	Statewide	N/A	N/A	Acrylonitrile	1.50E-06	2.81E-06	6.13E-06	2.89E-05	1.60E-04	1.13E-04	2.61E-04	4.09E-04	0.00E+00	1.60E-04	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	Arsenic Compounds	1.76E-06	2.25E-06	3.26E-06	1.16E-05	3.56E-05	4.37E-05	8.66E-05	1.05E-04	1.73E-05	5.83E-06	6.22E-06	6.31E-06	0.00E+00		
North Dakota	Statewide	N/A	N/A	Benzene	4.93E-01	5.02E-01	5.30E-01	6.55E-01	8.68E-01	9.21E-01	1.67E+00	2.16E+00	2.83E-03	2.73E-01	8.85E-02	2.39E-02	4.80E-01		
North 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		
North Dakota	Statewide	N/A	N/A	Beryllium Compounds	4.21E-08	6.33E-08	1.47E-07	5.78E-07	2.49E-06	3.19E-06	7.52E-06	1.18E-05	3.01E-07	1.65E-06	0.00E+00	5.44E-07	0.00E+00		
North Dakota	Statewide	N/A	N/A	1,3-Butadiene	6.91E-04	1.64E-03	4.62E-03	2.00E-02	5.25E-02	4.81E-02	1.68E-01	2.19E-01	1.56E-05	4.14E-02	8.33E-03	2.79E-03	0.00E+00		
North Dakota	Statewide	N/A	N/A	Cadmium Compounds	9.46E-08	1.39E-07	3.35E-07	1.09E-06	5.61E-06	6.24E-06	1.87E-05	2.53E-05	1.40E-06	3.67E-06	0.00E+00	5.42E-07	0.00E+00		
North Dakota	Statewide	N/A	N/A	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.75E-02	4.74E-02	4.82E-02	4.94E-02	1.43E-04	3.11E-04	0.00E+00	0.00E+00	4.70E-02		
North 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	2.28E-09	1.07E-04	0.00E+00	0.00E+00	8.80E-01		
North Dakota	Statewide	N/A	N/A	Chloroform	8.30E-02	8.30E-02	8.31E-02	8.34E-02	8.81E-02	9.17E-02	9.86E-02	1.05E-01	2.52E-07	5.13E-03	0.00E+00	0.00E+00	8.30E-02		
North Dakota	Statewide	N/A	N/A	Chromium Compounds (includes Hexavalent)	2.85E-07	3.25E-07	6.03E-07	6.14E-06	4.29E-05	3.34E-05	1.17E-04	1.74E-04	1.82E-05	1.95E-05	4.76E-06	4.30E-07	0.00E+00		
North Dakota	Statewide	N/A	N/A	Chromium VI	1.09E-07	1.27E-07	2.35E-07	2.88E-06	1.39E-05	1.10E-05	3.19E-05	5.76E-05	4.24E-06	7.58E-06	1.89E-06	1.46E-07	0.00E+00		
North 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		
North Dakota	Statewide	N/A	N/A	1,4-Dichlorobenzene	9.41E-05	1.11E-04	2.05E-04	5.95E-04	6.84E-03	1.05E-02	2.86E-02	0.00E+00	6.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	1,3-Dichloropropene	1.81E-04	2.16E-04	4.05E-04	1.25E-03	1.43E-02	2.19E-02	5.12E-02	6.05E-02	1.59E-09	1.43E-02	0.00E+00	0.00E+00	0.00E+00		
North 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	7.71E-03	7.72E-03	2.45E-06	8.69E-08	0.00E+00	0.00E+00	7.70E-03		
North 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	6.11E-02	2.70E-07	1.87E-05	0.00E+00	0.00E+00	6.10E-02		
North Dakota	Statewide	N/A	N/A	Ethylene Oxide	1.16E-06	2.14E-06	4.47E-06	2.62E-05	5.84E-04	3.63E-04	1.55E-03	3.09E-03	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	Formaldehyde	2.98E-01	3.13E-01	3.53E-01	4.72E-01	1.58E+00	8.01E-01	2.74E+00	4.69E+00	2.00E-03	1.24E+00	3.73E-02	4.90E-02	2.50E-01		
North Dakota	Statewide	N/A	N/A	Hexachlorobenzene	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.34E-05	9.34E-05	0.00E+00	1.05E-07	0.00E+00	0.00E+00	9.30E-05		
North 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	4.13E-08	0.00E+00	0.00E+00	1.80E-03		
North 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		
North Dakota	Statewide	N/A	N/A	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-09	3.22E-10	1.23E-08	2.51E-08	0.00E+00	3.96E-09	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	Lead Compounds	1.58E-06	2.68E-06	6.45E-06	6.47E-05	3.85E-04	4.28E-04	1.19E-03	1.75E-03	2.43E-05	7.75E-05	0.00E+00	2.84E-04	0.00E+00		
North Dakota	Statewide	N/A	N/A	Manganese Compounds	3.71E-07	4.15E-07	7.22E-07	9.70E-06	3.82E-04	1.58E-04	7.16E-04	1.48E-03	3.12E-04	6.74E-05	1.55E-06	5.70E-07	0.00E+00		
North Dakota	Statewide	N/A	N/A	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.57E-03	1.55E-03	1.65E-03	1.77E-03	5.75E-06	5.11E-05	6.40E-06	5.83E-06	1.50E-03		
North Dakota	Statewide	N/A	N/A	Methylene Chloride	1.50E-01	1.50E-01	1.51E-01	1.53E-01	1.81E-01	1.94E-01	2.53E-01	2.93E-01	2.43E-06	3.14E-02	0.00E+00	0.00E+00	1.50E-01		
North Dakota	Statewide	N/A	N/A	Nickel Compounds	5.37E-07	7.34E-07	1.17E-06	1.34E-05	8.82E-05	9.00E-05	2.47E-04	3.39E-04	2.87E-05	5.51E-05	3.56E-06	9.41E-07	0.00E+00		
North Dakota	Statewide	N/A	N/A	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.42E-01	1.56E-01	1.58E-01	1.84E-01	2.10E-01	3.57E-03	1.22E-02	0.00E+00	0.00E+00	1.40E-01		
North Dakota	Statewide	N/A	N/A	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.89E-04	3.88E-04	4.11E-04	4.19E-04	1.17E-09	9.34E-06	0.00E+00	0.00E+00	3.80E-04		
North Dakota	Statewide	N/A	N/A	Polycyclic Organic Matter	7.39E-04	1.09E-03	2.38E-03	1.04E-02	2.27E-02	3.02E-02	6.61E-02	9.55E-02	4.85E-04	2.00E-02	1.57E-03	6.72E-04	0.00E+00		
North Dakota	Statewide	N/A	N/A	7-PAH	7.55E-05	1.80E-04	4.94E-04	9.24E-04	5.38E-03	4.06E-03	2.09E-02	2.46E-02	1.82E-07	5.36E-03	1.06E-05	5.56E-06	0.00E+00		
North Dakota	Statewide	N/A	N/A	Propylene Dichloride	6.99E-08	1.36E-07	3.59E-07	1.65E-06	8.82E-06	5.42E-06	1.26E-05	2.36E-05	0.00E+00	8.82E-06	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-08	3.14E-09	3.48E-08	7.05E-08	0.00E+00	1.13E-08	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	3.97E-07	9.06E-07	2.27E-06	1.09E-05	7.50E-05	3.90E-05	1.20E-04	2.06E-04	2.49E-09	7.50E-05	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Statewide	N/A	N/A	Trichloroethylene	8.10E-02	8.10E-02	8.11E-02	8.14E-02	8.56E-02	8.72E-02	9.53E-02	1.02E-01	0.00E+00	4.60E-03	0.00E+00	0.00E+00	8.10E-02		
North Dakota	Statewide	N/A	N/A	Vinyl Chloride	9.78E-07	2.31E-06	5.87E-06	3.02E-05	1.97E-04	9.63E-05	4.33E-04	6.05E-04	9.28E-10	1.97E-04	0.00E+00	0.00E+00	0.00E+00		
North Dakota	All Urban Counties	N/A	U	Acetaldehyde	3.36E-02	4.37E-02	8.13E-02	1.74E-01	2.77E-01	4.33E-01	6.26E-01	7.66E-01	4.28E-04	1.70E-01	5.90E-02	4.76E-02	0.00E+00		
North Dakota	All Urban Counties	N/A	U	Acrolein	6.84E-03	1.04E-02	2.07E-02	3.18E-02	1.70E-01	1.60E-01	5.84E-01	7.15E-01	3.27E-05	1.61E-01	6.41E-03	2.39E-03	0.00E+00		
North Dakota	All Urban Counties	N/A	U	Acrylonitrile	3.34E-06	4.78E-06	1.92E-05	7.64E-05	2.61E-04	2.05E-04	3.86E-04	7.47E-04	0.00E+00	2.61E-04	0.00E+00	0.00E+00	0.00E+00		
North Dakota	All Urban Counties	N/A	U	Arsenic Compounds	3.14E-06	3.61E-06	1.06E-05	3.20E-05	5.48E-05	7.05E-05	9.95E-05	1.33E-04	2.66E-05	9.62E-06	9.75E-06	8.85E-06	0.00E+00		
North Dakota	All Urban Counties	N/A	U	Benzene	5.08E-01	5.18E-01	5.98E-01	7.70E-01	1.01E+00	1.16E+00	2.03E+00	2.30E+00	4.99E-03	3.47E-01	1.44E-01	3.77E-02	4.80E-01		
North 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		
North Dakota	All Urban Counties	N/A	U	Beryllium Compounds	1.47E-07	2.82E-07	5.78E-07	2.71E-06	4.13E-06	5.56E-06	9.81E-06	1.51E-05	4.98E-07	2.79E-06	0.00E+00	8.49E-07	0.00E+00		
North Dakota	All Urban Counties	N/A	U	1,3-Butadiene	2.26E-03	2.84E-03	1.06E-02	2.55E-02	6.91E-02	7.76E-02	1.95E-01	2.71E-01	2.75E-05	5.09E-02	1.36E-02	4.54E-03	0.00E+00		

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	All Urban Counties	N/A	U	Cadmium Compounds	2.72E-07	4.07E-07	1.05E-06	4.94E-06	9.36E-06	1.23E-05	2.50E-05	3.29E-05	2.38E-06	6.13E-06	0.00E+00	8.47E-07	0.00E+00
North Dakota	All Urban Counties	N/A	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.73E-02	4.78E-02	4.79E-02	4.93E-02	5.01E-02	2.50E-04	5.12E-04	0.00E+00	0.00E+00	4.70E-02
North 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	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.79E-04	8.80E-01
North Dakota	All Urban Counties	N/A	U	Chloroform	8.31E-02	8.32E-02	8.35E-02	9.05E-02	9.19E-02	9.60E-02	1.02E-01	1.10E-01	4.39E-07	8.90E-03	0.00E+00	0.00E+00	8.30E-02
North Dakota	All Urban Counties	N/A	U	Chromium Compounds (includes Hexavalent)	5.57E-07	9.84E-07	7.77E-06	2.63E-05	7.23E-05	9.52E-05	1.63E-04	1.97E-04	3.02E-05	3.37E-05	7.73E-06	6.91E-07	0.00E+00
North Dakota	All Urban Counties	N/A	U	Chromium VI	2.12E-07	3.23E-07	3.04E-06	8.53E-06	2.34E-05	2.42E-05	4.62E-05	7.34E-05	7.09E-06	1.30E-05	3.08E-06	2.35E-07	0.00E+00
North 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
North Dakota	All Urban Counties	N/A	U	1,4-Dichlorobenzene	1.99E-04	2.26E-04	5.44E-04	8.81E-03	1.16E-02	1.96E-02	2.85E-02	2.96E-02	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	1,3-Dichloropropene	3.86E-04	4.37E-04	1.14E-03	1.85E-02	2.42E-02	4.12E-02	6.04E-02	6.49E-02	0.00E+00	2.42E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.72E-03	7.72E-03	4.26E-06	1.39E-07	0.00E+00	0.00E+00	7.70E-03
North 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	6.11E-02	4.07E-07	3.04E-05	0.00E+00	0.00E+00	6.10E-02
North Dakota	All Urban Counties	N/A	U	Ethylene Oxide	4.02E-06	5.24E-06	2.22E-05	2.30E-04	9.99E-04	9.99E-04	3.01E-03	4.40E-03	0.00E+00	9.99E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	Formaldehyde	3.18E-01	3.37E-01	3.97E-01	5.20E-01	1.07E+00	9.75E-01	2.74E+00	3.35E+00	3.45E-03	6.92E-01	6.02E-02	6.32E-02	2.50E-01
North Dakota	All Urban Counties	N/A	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.34E-05	9.35E-05	9.35E-05	0.00E+00	1.68E-07	0.00E+00	0.00E+00	9.30E-05
North 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	6.93E-08	0.00E+00	0.00E+00	1.80E-03
North 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
North Dakota	All Urban Counties	N/A	U	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E-16	5.71E-09	1.96E-09	1.56E-08	3.02E-08	0.00E+00	5.71E-09	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	Lead Compounds	7.20E-06	1.16E-05	7.55E-05	3.81E-04	6.63E-04	8.65E-04	1.67E-03	1.97E-03	4.02E-05	1.24E-04	0.00E+00	4.99E-04	0.00E+00
North Dakota	All Urban Counties	N/A	U	Manganese Compounds	7.31E-07	9.07E-07	8.27E-06	4.04E-05	3.87E-04	3.39E-04	8.70E-04	1.41E-03	3.11E-04	7.29E-05	2.52E-06	8.23E-07	0.00E+00
North Dakota	All Urban Counties	N/A	U	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.54E-03	1.62E-03	1.59E-03	1.73E-03	1.91E-03	9.22E-06	8.91E-05	9.82E-06	8.21E-06	1.50E-03
North Dakota	All Urban Counties	N/A	U	Methylene Chloride	1.51E-01	1.51E-01	1.52E-01	1.85E-01	2.03E-01	2.29E-01	2.89E-01	3.27E-01	3.77E-06	5.31E-02	0.00E+00	0.00E+00	1.50E-01
North Dakota	All Urban Counties	N/A	U	Nickel Compounds	1.14E-06	1.79E-06	1.37E-05	6.45E-05	1.51E-04	1.80E-04	3.37E-04	4.40E-04	4.85E-05	9.49E-05	5.76E-06	1.39E-06	0.00E+00
North Dakota	All Urban Counties	N/A	U	Perchloroethylene	1.40E-01	1.40E-01	1.42E-01	1.53E-01	1.67E-01	1.74E-01	2.09E-01	2.21E-01	6.32E-03	2.08E-02	0.00E+00	0.00E+00	1.40E-01
North Dakota	All Urban Counties	N/A	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.83E-04	3.91E-04	3.92E-04	4.11E-04	4.27E-04	2.06E-09	1.09E-05	0.00E+00	0.00E+00	3.80E-04
North Dakota	All Urban Counties	N/A	U	Polycyclic Organic Matter	1.44E-03	1.95E-03	6.34E-03	2.13E-02	3.23E-02	3.85E-02	9.11E-02	1.06E-01	8.32E-04	2.79E-02	2.54E-03	1.08E-03	0.00E+00
North Dakota	All Urban Counties	N/A	U	7-PAH	2.28E-04	3.58E-04	5.86E-04	9.31E-04	6.65E-03	2.22E-02	2.89E-02	3.19E-07	6.63E-03	1.70E-05	8.79E-06	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	Propylene Dichloride	1.89E-07	2.72E-07	1.07E-06	3.60E-06	1.43E-05	8.79E-06	2.21E-05	4.01E-05	0.00E+00	1.43E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	Quinoline	0.00E+00	0.00E+00	0.00E+00	1.41E-14	1.62E-08	8.17E-09	4.91E-08	8.32E-08	0.00E+00	1.62E-08	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	1.12E-06	1.59E-06	5.63E-06	1.84E-05	1.21E-04	1.98E-04	6.12E-05	1.98E-04	2.81E-04	0.00E+00	1.21E-04	0.00E+00	0.00E+00
North Dakota	All Urban Counties	N/A	U	Trichloroethylene	8.11E-02	8.11E-02	8.13E-02	8.52E-02	8.89E-02	9.14E-02	1.00E-01	1.09E-01	0.00E+00	7.86E-03	0.00E+00	0.00E+00	8.10E-02
North Dakota	All Urban Counties	N/A	U	Vinyl Chloride	3.14E-06	4.68E-06	1.56E-05	4.52E-05	3.21E-04	1.51E-04	5.64E-04	8.91E-04	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Rural Counties	N/A	R	Acetaldehyde	2.98E-02	3.63E-02	4.65E-02	6.55E-02	6.86E+00	1.55E-01	2.21E+00	6.41E+01	1.29E-05	6.83E+00	7.44E-03	2.38E-02	0.00E+00
North Dakota	All Rural Counties	N/A	R	Acrolein	1.49E-03	2.12E-03	7.72E-03	2.51E-02	9.69E-02	9.21E-02	3.35E-01	4.98E-01	2.20E-06	9.55E-02	8.43E-04	5.43E-04	0.00E+00
North Dakota	All Rural Counties	N/A	R	Acrylonitrile	8.89E-07	1.14E-06	3.26E-06	9.71E-06	3.07E-05	2.76E-05	6.65E-05	1.06E-04	0.00E+00	3.07E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Rural Counties	N/A	R	Arsenic Compounds	1.36E-06	1.74E-06	2.30E-06	3.53E-06	1.08E-05	1.12E-05	2.06E-05	3.33E-05	5.19E-06	9.22E-07	1.66E-06	3.03E-06	0.00E+00
North Dakota	All Rural Counties	N/A	R	Benzene	4.90E-01	4.93E-01	5.10E-01	5.61E-01	6.80E-01	7.15E-01	1.10E+00	1.55E+00	4.96E-05	1.78E-01	1.63E-02	6.13E-03	4.80E-01
North 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
North Dakota	All Rural Counties	N/A	R	Beryllium Compounds	3.37E-08	4.13E-08	6.97E-08	1.47E-07	3.65E-07	4.70E-07	9.18E-07	1.47E-06	4.51E-08	1.71E-07	0.00E+00	1.49E-07	0.00E+00
North Dakota	All Rural Counties	N/A	R	1,3-Butadiene	4.81E-04	6.33E-04	2.47E-03	8.64E-03	3.11E-02	2.85E-02	9.32E-02	1.74E-01	1.39E-07	2.91E-02	1.48E-03	5.24E-04	0.00E+00
North Dakota	All Rural Counties	N/A	R	Cadmium Compounds	7.24E-08	9.34E-08	1.48E-07	3.67E-07	7.69E-07	9.71E-07	2.16E-06	3.17E-06	1.36E-07	4.85E-07	0.00E+00	1.49E-07	0.00E+00
North Dakota	All Rural Counties	N/A	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.73E-02	3.36E-06	5.06E-05	0.00E+00	0.00E+00	4.70E-02
North 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	5.23E-09	1.47E-05	0.00E+00	0.00E+00	8.80E-01
North Dakota	All Rural Counties	N/A	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.33E-02	8.32E-02	8.34E-02	8.41E-02	8.88E-09	2.57E-04	0.00E+00	0.00E+00	8.30E-02
North Dakota	All Rural Counties	N/A	R	Chromium Compounds (includes Hexavalent)	2.34E-07	2.84E-07	3.40E-07	6.18E-07	4.91E-06	5.16E-06	9.41E-06	2.63E-05	2.77E-06	1.12E-06	9.29E-07	9.22E-08	0.00E+00
North Dakota	All Rural Counties	N/A	R	Chromium VI	8.97E-08	1.07E-07	1.28E-07	2.43E-07	1.52E-06	2.10E-06	3.64E-06	5.50E-06	5.53E-07	5.73E-07	3.64E-07	3.14E-08	0.00E+00
North 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
North Dakota	All Rural Counties	N/A	R	1,4-Dichlorobenzene	7.25E-05	9.21E-05	1.20E-04	2.06E-04	7.42E-04	4.02E-04	3.00E-03	3.85E-03	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Rural Counties	N/A	R	1,3-Dichloropropene	1.41E-04	1.81E-04	2.32E-04	4.07E-04	1.50E-03	7.88E-04	6.15E-03	7.84E-03	3.65E-09	1.50E-03	0.00E+00	0.00E+00	0.00E+00
North 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	1.04E-07	1.95E-08	0.00E+00	0.00E+00	7.70E-03
North 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	9.40E-08	3.51E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	All Rural Counties	N/A	R	Ethylene Oxide	5.54E-07	1.11E-06	2.98E-06	4.84E-06	4.71E-05	1.69E-05	1.62E-04	3.52E-04	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Rural Counties	N/A	R	Formaldehyde	2.90E-01	2.98E-01	3.37E-01	4.06E-01	2.24E+00	7.60E-01	3.32E+00	1.67E+01	1.20E-04	1.96E+00	7.76E-03	3.06E-02	2.50E-01
North Dakota	All Rural Counties	N/A	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.33E-05	9.34E-05	0.00E+00	1.26E-07	0.00E+00	0.00E+00	9.30E-05
North 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	5.19E-09	0.00E+00	0.00E+00	1.80E-03
North Dakota	All Rural Counties	N/A	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
North Dakota	All Rural Counties	N/A	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-09	1.99E-11	4.73E-10	4.43E-09	0.00E+00	1.70E-09	0.00E+00	0.00E+00	0.00E+00
North Dakota	All Rural Counties	N/A	R	Lead Compounds	7.55E-07	1.21E-06	2.82E-06	6.04E-06	2.71E-05	2.52E-05	8.65E-05	1.27E-04	3.71E-06	1.79E-05	0.00E+00	5.50E-06	0.00E+00
North Dakota	All Rural Counties	N/A	R	Manganese Compounds	2.81E-07	3.67E-07	4.31E-07	7.02E-07	3.75E-04	7.20							

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	All Rural Counties	N/A	R	7-PAH	4.66E-05	7.09E-05	2.97E-04	9.24E-04	3.72E-03	3.41E-03	1.27E-02	2.10E-02	5.61E-09	3.72E-03	2.41E-06	1.39E-06	0.00E+00	
North Dakota	All Rural Counties	N/A	R	Propylene Dichloride	3.17E-08	5.10E-08	1.81E-07	5.49E-07	1.80E-06	1.49E-06	3.79E-06	6.40E-06	0.00E+00	1.80E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	All Rural Counties	N/A	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-09	2.99E-09	5.95E-09	1.71E-08	0.00E+00	5.02E-09	0.00E+00	0.00E+00	0.00E+00	
North Dakota	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	2.08E-07	3.83E-07	1.29E-06	3.39E-06	1.53E-05	1.25E-05	3.32E-05	5.85E-05	5.71E-09	1.53E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	All Rural Counties	N/A	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.14E-02	8.12E-02	8.26E-02	8.34E-02	0.00E+00	3.77E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	All Rural Counties	N/A	R	Vinyl Chloride	5.13E-07	9.45E-07	3.17E-06	8.35E-06	3.79E-05	3.07E-05	8.18E-05	1.44E-04	2.13E-09	3.79E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	R	Acetaldehyde	2.65E+02	2.65E+02	2.65E+02	2.65E+02	2.65E+02	2.65E+02	2.65E+02	2.65E+02	0.00E+00	2.65E+02	3.08E-03	2.20E-02	0.00E+00	
North Dakota	Adams County	38001	R	Acrolein	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	2.16E-01	0.00E+00	2.16E-01	3.77E-04	3.67E-04	0.00E+00	
North Dakota	Adams County	38001	R	Acrylonitrile	1.13E-05	1.13E-05	1.13E-05	1.13E-05	1.13E-05	1.13E-05	1.13E-05	1.13E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	R	Arsenic Compounds	2.84E-06	2.84E-06	2.84E-06	2.84E-06	2.84E-06	2.84E-06	2.84E-06	2.84E-06	0.00E+00	1.05E-07	4.89E-07	2.24E-06	0.00E+00	
North Dakota	Adams County	38001	R	Benzene	8.74E-01	8.74E-01	8.74E-01	8.74E-01	8.74E-01	8.74E-01	8.74E-01	8.74E-01	0.00E+00	3.87E-01	4.81E-03	3.17E-03	4.80E-01	
North Dakota	Adams County	38001	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	
North Dakota	Adams County	38001	R	Beryllium Compounds	1.43E-07	1.43E-07	1.43E-07	1.43E-07	1.43E-07	1.43E-07	1.43E-07	1.43E-07	0.00E+00	3.79E-08	0.00E+00	1.05E-07	0.00E+00	
North Dakota	Adams County	38001	R	1,3-Butadiene	6.62E-02	6.62E-02	6.62E-02	6.62E-02	6.62E-02	6.62E-02	6.62E-02	6.62E-02	0.00E+00	6.57E-02	3.17E-04	2.26E-04	0.00E+00	
North Dakota	Adams County	38001	R	Cadmium Compounds	2.06E-07	2.06E-07	2.06E-07	2.06E-07	2.06E-07	2.06E-07	2.06E-07	2.06E-07	0.00E+00	1.01E-07	0.00E+00	1.05E-07	0.00E+00	
North Dakota	Adams County	38001	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	7.59E-06	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Adams County	38001	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	4.17E-06	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Adams County	38001	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	1.13E-05	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Adams County	38001	R	Chromium Compounds (includes Hexavalent)	4.01E-07	4.01E-07	4.01E-07	4.01E-07	4.01E-07	4.01E-07	4.01E-07	4.01E-07	0.00E+00	7.50E-08	2.77E-07	4.95E-08	0.00E+00	
North Dakota	Adams County	38001	R	Chromium VI	1.63E-07	1.63E-07	1.63E-07	1.63E-07	1.63E-07	1.63E-07	1.63E-07	1.63E-07	0.00E+00	2.98E-08	1.16E-07	1.68E-08	0.00E+00	
North Dakota	Adams County	38001	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	
North Dakota	Adams County	38001	R	1,4-Dichlorobenzene	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	1.62E-04	0.00E+00	1.62E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	R	1,3-Dichloropropene	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	3.20E-04	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	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	6.04E-09	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Adams County	38001	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	1.32E-06	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Adams County	38001	R	Ethylene Oxide	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	1.09E-05	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	R	Formaldehyde	4.07E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	4.07E+01	0.00E+00	4.04E+01	2.42E-03	2.50E-02	2.50E-01	
North Dakota	Adams County	38001	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	8.98E-08	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Adams County	38001	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	9.85E-10	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Adams County	38001	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	
North Dakota	Adams County	38001	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	
North Dakota	Adams County	38001	R	Lead Compounds	4.02E-06	4.02E-06	4.02E-06	4.02E-06	4.02E-06	4.02E-06	4.02E-06	4.02E-06	0.00E+00	3.62E-06	0.00E+00	4.02E-07	0.00E+00	
North Dakota	Adams County	38001	R	Manganese Compounds	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	2.41E-07	8.43E-08	1.74E-07	0.00E+00	
North Dakota	Adams County	38001	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	4.68E-07	5.84E-07	2.06E-06	1.50E-03	
North Dakota	Adams County	38001	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	6.65E-04	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Adams County	38001	R	Nickel Compounds	9.76E-07	9.76E-07	9.76E-07	9.76E-07	9.76E-07	9.76E-07	9.76E-07	9.76E-07	0.00E+00	5.08E-07	2.11E-07	2.57E-07	0.00E+00	
North Dakota	Adams County	38001	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	6.03E-04	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Adams County	38001	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.84E-06	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Adams County	38001	R	Polycyclic Organic Matter	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	1.98E-02	0.00E+00	1.96E-02	9.66E-05	8.94E-05	0.00E+00	
North Dakota	Adams County	38001	R	7-PAH	8.09E-03	8.09E-03	8.09E-03	8.09E-03	8.09E-03	8.09E-03	8.09E-03	8.09E-03	0.00E+00	8.09E-03	7.03E-07	8.64E-07	0.00E+00	
North Dakota	Adams County	38001	R	Propylene Dichloride	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	6.70E-07	0.00E+00	6.70E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	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	
North Dakota	Adams County	38001	R	1,1,2,2-Tetrachloroethane	5.99E-06	5.99E-06	5.99E-06	5.99E-06	5.99E-06	5.99E-06	5.99E-06	5.99E-06	0.00E+00	5.99E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Adams County	38001	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	7.36E-05	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Adams County	38001	R	Vinyl Chloride	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Barnes County	38003	U	Acetaldehyde	3.71E-02	3.71E-02	4.22E-02	6.16E-02	6.51E-02	8.79E-02	1.00E-01	1.00E-01	0.00E+00	7.41E-03	2.33E-02	3.43E-02	0.00E+00	
North Dakota	Barnes County	38003	U	Acrolein	6.13E-03	6.13E-03	9.52E-03	1.51E-02	1.40E-02	1.85E-02	1.97E-02	1.97E-02	0.00E+00	9.87E-03	2.81E-03	1.35E-03	0.00E+00	
North Dakota	Barnes County	38003	U	Acrylonitrile	3.63E-06	3.63E-06	4.03E-06	6.65E-05	1.29E-04	2.54E-04	3.79E-04	3.79E-04	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Barnes County	38003	U	Arsenic Compounds	4.38E-06	4.38E-06	6.87E-06	1.62E-05	1.68E-05	2.68E-05	3.05E-05	3.05E-05	0.00E+00	3.80E-06	5.78E-06	7.24E-06	0.00E+00	
North Dakota	Barnes County	38003	U	Benzene	5.04E-01	5.04E-01	5.11E-01	5.94E-01	6.04E-01	6.96E-01	7.22E-01	7.22E-01	0.00E+00	3.21E-02	7.66E-02	1.51E-02	4.80E-01	
North Dakota	Barnes County	38003	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	
North Dakota	Barnes County	38003	U	Beryllium Compounds	5.78E-07	5.78E-07	6.47E-07	1.74E-06	2.30E-06	3.96E-06	5.16E-06	5.16E-06	0.00E+00	7.70E-07	0.00E+00	1.53E-06	0.00E+00	
North Dakota	Barnes County	38003	U	1,3-Butadiene	2.22E-03	2.22E-03	3.07E-03	1.20E-02	1.27E-02	2.23E-02	2.46E-02	2.46E-02	0.00E+00	3.02E-03	7.83E-03	1.83E-03	0.00E+00	
North Dakota	Barnes County	38003	U	Cadmium Compounds	9.15E-07	9.15E-07	1.52E-06	5.69E-06	6.02E-06	1.05E-05	1.18E-05	1.18E-05	0.00E+00	4.49E-06	0.00E+00	1.53E-06	0.00E+00	
North Dakota	Barnes County	38003	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.74E-02	4.75E-02	4.75E-02	0.00E+00	1.97E-04	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Barnes County	38003	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	6.84E-05	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Barnes County	38003	U	Chloroform	8.34E-02	8.34E-02	8.35E-02	8.76E-02	9									

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Barnes County	38003	U	Ethylene Oxide	5.30E-06	5.30E-06	5.77E-06	6.17E-05	1.82E-04	3.58E-04	6.00E-04	6.00E-04	0.00E+00	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Formaldehyde	3.10E-01	3.10E-01	3.25E-01	3.68E-01	3.69E-01	4.12E-01	4.29E-01	4.29E-01	0.00E+00	3.95E-02	3.11E-02	4.80E-02	2.50E-01	0.00E+00
North Dakota	Barnes County	38003	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.35E-05	9.36E-05	9.36E-05	0.00E+00	2.86E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Barnes County	38003	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	2.91E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Barnes County	38003	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
North Dakota	Barnes County	38003	U	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-14	5.04E-14	1.01E-13	1.01E-13	0.00E+00	2.52E-14	0.00E+00	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Lead Compounds	2.56E-05	2.56E-05	3.40E-05	2.19E-04	2.85E-04	5.35E-04	6.75E-04	6.75E-04	0.00E+00	7.89E-05	0.00E+00	2.06E-04	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Manganese Compounds	8.36E-07	8.36E-07	1.41E-04	2.99E-04	3.08E-04	4.75E-04	6.33E-04	6.33E-04	0.00E+00	3.06E-04	1.26E-06	6.77E-07	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.54E-03	1.54E-03	1.58E-03	1.58E-03	1.58E-03	0.00E+00	2.96E-05	6.19E-06	7.78E-06	1.50E-03	0.00E+00
North Dakota	Barnes County	38003	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.64E-01	1.71E-01	1.90E-01	2.04E-01	2.04E-01	0.00E+00	2.06E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Barnes County	38003	U	Nickel Compounds	1.88E-06	1.88E-06	2.33E-06	1.71E-05	2.13E-05	4.02E-05	4.91E-05	4.91E-05	0.00E+00	1.71E-05	2.96E-06	1.19E-06	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Perchloroethylene	1.40E-01	1.40E-01	1.42E-01	1.44E-01	1.44E-01	1.46E-01	1.47E-01	1.47E-01	0.00E+00	9.71E-04	2.74E-03	0.00E+00	0.00E+00	1.40E-01
North Dakota	Barnes County	38003	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.97E-04	4.05E-04	4.29E-04	4.45E-04	4.45E-04	0.00E+00	2.50E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Barnes County	38003	U	Polycyclic Organic Matter	1.28E-03	1.28E-03	1.81E-03	6.23E-03	7.53E-03	1.32E-02	1.64E-02	1.64E-02	0.00E+00	5.49E-03	1.41E-03	6.27E-04	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	7-PAH	2.04E-04	2.04E-04	3.43E-04	5.81E-04	5.28E-04	7.12E-04	7.86E-04	7.86E-04	0.00E+00	5.15E-04	8.08E-06	5.24E-06	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Propylene Dichloride	1.96E-07	1.96E-07	2.17E-07	3.69E-06	7.31E-06	1.44E-05	2.16E-05	2.16E-05	0.00E+00	7.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-13	1.08E-12	2.16E-12	0.00E+00	5.39E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	1,1,2,2-Tetrachloroethane	1.59E-06	1.59E-06	1.74E-06	3.09E-05	6.26E-05	1.23E-04	1.87E-04	1.87E-04	0.00E+00	6.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Barnes County	38003	U	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.26E-02	8.35E-02	8.58E-02	8.76E-02	8.76E-02	0.00E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Barnes County	38003	U	Vinyl Chloride	3.92E-06	3.92E-06	4.30E-06	7.62E-05	1.54E-04	3.04E-04	4.60E-04	4.60E-04	0.00E+00	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Acetaldehyde	4.77E-02	4.77E-02	4.78E-02	5.82E-02	6.94E-02	9.09E-02	1.13E-01	1.13E-01	0.00E+00	4.40E-02	3.94E-03	2.14E-02	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Acrolein	8.80E-03	8.80E-03	1.65E-02	2.47E-02	2.60E-02	3.54E-02	4.57E-02	4.57E-02	0.00E+00	2.51E-02	4.78E-04	4.28E-04	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Acrylonitrile	9.33E-07	9.33E-07	1.29E-06	1.67E-06	2.05E-06	2.80E-06	3.91E-06	3.91E-06	0.00E+00	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Arsenic Compounds	2.25E-06	2.25E-06	2.28E-06	2.91E-06	2.98E-06	3.69E-06	3.86E-06	3.86E-06	0.00E+00	1.48E-07	6.05E-07	2.23E-06	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Benzene	5.02E-01	5.02E-01	5.14E-01	5.34E-01	5.40E-01	5.67E-01	5.90E-01	5.90E-01	0.00E+00	4.95E-02	6.39E-03	4.33E-03	4.80E-01	0.00E+00
North Dakota	Benson County	38005	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
North Dakota	Benson County	38005	R	Beryllium Compounds	6.99E-08	6.99E-08	7.55E-08	9.92E-08	9.82E-08	1.21E-07	1.24E-07	1.24E-07	0.00E+00	4.29E-08	0.00E+00	5.53E-08	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	1,3-Butadiene	3.08E-03	3.08E-03	3.43E-03	7.36E-03	9.83E-03	1.62E-02	2.15E-02	2.15E-02	0.00E+00	9.15E-03	4.33E-04	2.52E-04	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Cadmium Compounds	1.03E-07	1.03E-07	1.07E-07	1.50E-07	1.67E-07	2.28E-07	2.67E-07	2.67E-07	0.00E+00	1.12E-07	0.00E+00	5.49E-08	0.00E+00	0.00E+00
North Dakota	Benson County	38005	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	1.52E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Dakota	Benson County	38005	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	5.97E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Benson County	38005	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.32E-02	8.32E-02	8.32E-02	0.00E+00	9.98E-05	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Benson County	38005	R	Chromium Compounds (includes Hexavalent)	2.69E-07	2.69E-07	2.76E-07	4.51E-07	4.92E-07	7.08E-07	7.98E-07	7.98E-07	0.00E+00	1.05E-07	3.42E-07	4.55E-08	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Chromium VI	1.03E-07	1.03E-07	1.06E-07	1.76E-07	1.92E-07	2.78E-07	3.13E-07	3.13E-07	0.00E+00	4.05E-08	1.36E-07	1.55E-08	0.00E+00	0.00E+00
North Dakota	Benson County	38005	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
North Dakota	Benson County	38005	R	1,4-Dichlorobenzene	1.02E-04	1.02E-04	1.07E-04	1.99E-04	2.29E-04	3.51E-04	4.17E-04	4.17E-04	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	1,3-Dichloropropene	2.00E-04	2.00E-04	2.08E-04	3.92E-04	4.54E-04	7.00E-04	8.31E-04	8.31E-04	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Benson County	38005	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	2.16E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Benson County	38005	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	2.14E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Benson County	38005	R	Ethylene Oxide	1.06E-06	1.06E-06	1.78E-06	2.82E-06	2.73E-06	3.69E-06	4.23E-06	4.23E-06	0.00E+00	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Formaldehyde	3.36E-01	3.36E-01	3.61E-01	4.09E-01	4.10E-01	4.59E-01	4.86E-01	4.86E-01	0.00E+00	1.32E-01	3.32E-03	2.47E-02	2.50E-01	0.00E+00
North Dakota	Benson County	38005	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	6.73E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Benson County	38005	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	1.42E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Benson County	38005	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
North Dakota	Benson County	38005	R	Hydrazine	1.36E-12	1.36E-12	1.78E-12	1.48E-10	4.73E-10	9.45E-10	1.60E-09	1.60E-09	0.00E+00	4.73E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Lead Compounds	6.63E-07	6.63E-07	2.06E-06	4.43E-06	6.58E-06	1.11E-05	1.68E-05	1.68E-05	0.00E+00	1.06E-06	0.00E+00	5.51E-06	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	Manganese Compounds	3.71E-07	3.71E-07	3.83E-07	5.34E-07	6.24E-07	8.66E-07	1.06E-06	1.06E-06	0.00E+00	3.45E-07	1.07E-07	1.72E-07	0.00E+00	0.00E+00
North Dakota	Benson County	38005	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	4.89E-07	7.18E-07	2.00E-06	1.50E-03	0.00E+00
North Dakota	Benson County	38005	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	8.55E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Dakota	Benson County	38005	R	Nickel Compounds	5.23E-07	5.23E-07	5.37E-07	9.33E-07	1.06E-06	1.84E-06	1.84E-06	1.84E-06	0.00E+00	5.46E-07	2.63E-07	2.49E-07	0.00E+00	0.00E+00
North Dakota	Benson County	38005	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	0.00E+00
North Dakota	Benson County	38005	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	3.83E-04	3.83E-04	0.00E+00	1.78E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Dakota	Benson County	38005	R	Polycyclic Organic Matter	1.09E-03	1.09E-03	1.60E-03	2.55E-03	2.97E-03	4.35E-03	5.69E-03	5.69E-03	0.00E+00	2.76E-03	1.15E-04	9.39E-05	0.00E+00	0.00E+00
North Dakota	Benson County	38005	R	7-PAH														

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Billings County	38007	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
North Dakota	Billings County	38007	R	Beryllium Compounds	5.59E-07	5.59E-07	5.59E-07	5.59E-07	5.59E-07	5.59E-07	5.59E-07	5.59E-07	5.59E-07	0.00E+00	4.59E-08	0.00E+00	5.13E-07	0.00E+00
North Dakota	Billings County	38007	R	1,3-Butadiene	1.23E-01	1.23E-01	1.23E-01	1.23E-01	1.23E-01	1.23E-01	1.23E-01	1.23E-01	1.23E-01	0.00E+00	1.23E-01	4.01E-04	2.16E-04	0.00E+00
North Dakota	Billings County	38007	R	Cadmium Compounds	6.76E-07	6.76E-07	6.76E-07	6.76E-07	6.76E-07	6.76E-07	6.76E-07	6.76E-07	6.76E-07	0.00E+00	1.65E-07	0.00E+00	5.11E-07	0.00E+00
North Dakota	Billings County	38007	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	9.85E-06	0.00E+00	0.00E+00	4.70E-02
North Dakota	Billings County	38007	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	8.14E-06	0.00E+00	0.00E+00	8.80E-01
North Dakota	Billings County	38007	R	Chloroform	8.34E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	0.00E+00	3.97E-04	0.00E+00	0.00E+00	8.30E-02
North Dakota	Billings County	38007	R	Chromium Compounds (includes Hexavalent)	8.27E-07	8.27E-07	8.27E-07	8.27E-07	8.27E-07	8.27E-07	8.27E-07	8.27E-07	8.27E-07	0.00E+00	9.41E-08	5.82E-07	1.50E-07	0.00E+00
North Dakota	Billings County	38007	R	Chromium VI	3.23E-07	3.23E-07	3.23E-07	3.23E-07	3.23E-07	3.23E-07	3.23E-07	3.23E-07	3.23E-07	0.00E+00	3.78E-08	2.35E-07	5.11E-08	0.00E+00
North Dakota	Billings County	38007	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
North Dakota	Billings County	38007	R	1,4-Dichlorobenzene	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Billings County	38007	R	1,3-Dichloropropene	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	4.07E-04	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Billings County	38007	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.44E-09	0.00E+00	0.00E+00	7.70E-03
North Dakota	Billings County	38007	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	3.32E-07	0.00E+00	0.00E+00	6.10E-02
North Dakota	Billings County	38007	R	Ethylene Oxide	3.67E-06	3.67E-06	3.67E-06	3.67E-06	3.67E-06	3.67E-06	3.67E-06	3.67E-06	3.67E-06	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Billings County	38007	R	Formaldehyde	2.13E+00	2.13E+00	2.13E+00	2.13E+00	2.13E+00	2.13E+00	2.13E+00	2.13E+00	2.13E+00	0.00E+00	1.87E+00	5.52E-03	1.19E-02	2.50E-01
North Dakota	Billings County	38007	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	4.28E-08	0.00E+00	0.00E+00	9.30E-05
North Dakota	Billings County	38007	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	1.52E-09	0.00E+00	0.00E+00	1.80E-03
North Dakota	Billings County	38007	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
North Dakota	Billings County	38007	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
North Dakota	Billings County	38007	R	Lead Compounds	5.08E-06	5.08E-06	5.08E-06	5.08E-06	5.08E-06	5.08E-06	5.08E-06	5.08E-06	5.08E-06	0.00E+00	3.13E-06	0.00E+00	1.95E-06	0.00E+00
North Dakota	Billings County	38007	R	Manganese Compounds	5.44E-07	5.44E-07	5.44E-07	5.44E-07	5.44E-07	5.44E-07	5.44E-07	5.44E-07	5.44E-07	0.00E+00	2.54E-07	1.76E-07	1.13E-07	0.00E+00
North Dakota	Billings County	38007	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	1.18E-06	1.06E-06	1.45E-06	1.50E-03
North Dakota	Billings County	38007	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	8.52E-04	0.00E+00	0.00E+00	1.50E-01
North Dakota	Billings County	38007	R	Nickel Compounds	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	0.00E+00	4.76E-07	4.33E-07	2.20E-07	0.00E+00
North Dakota	Billings County	38007	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	5.17E-04	0.00E+00	0.00E+00	1.40E-01
North Dakota	Billings County	38007	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	1.12E-06	0.00E+00	0.00E+00	3.80E-04
North Dakota	Billings County	38007	R	Polycyclic Organic Matter	4.20E-02	4.20E-02	4.20E-02	4.20E-02	4.20E-02	4.20E-02	4.20E-02	4.20E-02	4.20E-02	0.00E+00	4.17E-02	1.95E-04	1.26E-04	0.00E+00
North Dakota	Billings County	38007	R	7-PAH	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	1.74E-02	0.00E+00	1.47E-02	1.39E-06	1.63E-06	0.00E+00
North Dakota	Billings County	38007	R	Propylene Dichloride	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	1.81E-07	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Billings County	38007	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
North Dakota	Billings County	38007	R	1,1,2,2-Tetrachloroethane	1.44E-06	1.44E-06	1.44E-06	1.44E-06	1.44E-06	1.44E-06	1.44E-06	1.44E-06	1.44E-06	0.00E+00	1.44E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Billings County	38007	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	8.20E-05	0.00E+00	0.00E+00	8.10E-02
North Dakota	Billings County	38007	R	Vinyl Chloride	3.54E-06	3.54E-06	3.54E-06	3.54E-06	3.54E-06	3.54E-06	3.54E-06	3.54E-06	3.54E-06	0.00E+00	3.54E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Bottineau County	38009	R	Acetaldehyde	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	0.00E+00	1.58E-02	1.60E-02	1.60E-02	0.00E+00
North Dakota	Bottineau County	38009	R	Acrolein	1.40E-03	1.40E-03	1.40E-03	3.56E-02	2.44E-02	3.62E-02	3.62E-02	3.62E-02	3.62E-02	0.00E+00	2.24E-02	1.51E-03	5.38E-04	0.00E+00
North Dakota	Bottineau County	38009	R	Acrylonitrile	4.14E-05	4.14E-05	4.14E-05	4.29E-04	3.63E-04	6.19E-04	6.19E-04	6.19E-04	6.19E-04	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Bottineau County	38009	R	Arsenic Compounds	2.47E-06	2.47E-06	2.47E-06	1.56E-05	1.12E-05	1.56E-05	1.56E-05	1.56E-05	1.56E-05	0.00E+00	3.28E-06	5.00E-06	2.95E-06	0.00E+00
North Dakota	Bottineau County	38009	R	Benzene	4.89E-01	4.89E-01	4.89E-01	6.61E-01	6.04E-01	6.62E-01	6.62E-01	6.62E-01	6.62E-01	0.00E+00	6.44E-02	5.00E-02	9.62E-03	4.80E-01
North Dakota	Bottineau County	38009	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
North Dakota	Bottineau County	38009	R	Beryllium Compounds	2.38E-08	2.38E-08	2.38E-08	1.47E-06	9.88E-07	1.47E-06	1.47E-06	1.47E-06	1.47E-06	0.00E+00	9.57E-07	0.00E+00	3.07E-08	0.00E+00
North Dakota	Bottineau County	38009	R	1,3-Butadiene	7.53E-04	7.53E-04	7.53E-04	2.19E-02	1.49E-02	2.19E-02	2.19E-02	2.19E-02	2.19E-02	0.00E+00	8.09E-03	5.64E-03	1.14E-03	0.00E+00
North Dakota	Bottineau County	38009	R	Cadmium Compounds	1.90E-07	1.90E-07	1.90E-07	2.11E-06	1.49E-06	2.17E-06	2.17E-06	2.17E-06	2.17E-06	0.00E+00	1.46E-06	0.00E+00	3.07E-08	0.00E+00
North Dakota	Bottineau County	38009	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.74E-02	4.73E-02	4.74E-02	4.74E-02	4.74E-02	4.74E-02	0.00E+00	2.60E-04	0.00E+00	0.00E+00	4.70E-02
North Dakota	Bottineau County	38009	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	4.24E-05	0.00E+00	0.00E+00	8.80E-01
North Dakota	Bottineau County	38009	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.34E-02	8.32E-02	8.34E-02	8.34E-02	8.34E-02	8.34E-02	0.00E+00	2.50E-04	0.00E+00	0.00E+00	8.30E-02
North Dakota	Bottineau County	38009	R	Chromium Compounds (includes Hexavalent)	3.85E-07	3.85E-07	3.85E-07	7.61E-06	5.20E-06	7.61E-06	7.61E-06	7.61E-06	7.61E-06	0.00E+00	2.36E-06	2.74E-06	1.06E-07	0.00E+00
North Dakota	Bottineau County	38009	R	Chromium VI	2.62E-07	2.62E-07	2.62E-07	2.97E-06	2.06E-06	2.97E-06	2.97E-06	2.97E-06	2.97E-06	0.00E+00	9.57E-07	1.07E-06	3.61E-08	0.00E+00
North Dakota	Bottineau County	38009	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
North Dakota	Bottineau County	38009	R	1,4-Dichlorobenzene	1.07E-04	1.07E-04	1.07E-04	4.26E-03	2.88E-03	4.28E-03	4.28E-03	4.28E-03	4.28E-03	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Bottineau County	38009	R	1,3-Dichloropropene	2.04E-04	2.04E-04	2.04E-04	8.63E-03	5.82E-03	8.63E-03	8.63E-03	8.63E-03	8.63E-03	0.00E+00	5.82E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Bottineau County	38009	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	2.14E-07	0.00E+00	0.00E+00	7.70E-03
North Dakota	Bottineau County	38009	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	0.00E+00	4.31E-05	0.00E+00	0.00E+00	6.10E-02

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Bottineau County	38009	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.43E-01	1.42E-01	1.43E-01	1.43E-01	1.43E-01	0.00E+00	2.11E-03	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Bottineau County	38009	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.95E-04	3.90E-04	3.95E-04	3.95E-04	3.95E-04	0.00E+00	1.04E-05	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Bottineau County	38009	R	Polycyclic Organic Matter	3.25E-04	3.25E-04	3.25E-04	1.13E-02	7.65E-03	1.13E-02	1.13E-02	1.13E-02	0.00E+00	6.59E-03	9.00E-04	1.64E-04	0.00E+00	
North Dakota	Bottineau County	38009	R	7-PAH	3.91E-05	3.91E-05	3.91E-05	1.52E-03	1.03E-03	1.54E-03	1.54E-03	1.54E-03	0.00E+00	1.02E-03	7.14E-06	1.17E-06	0.00E+00	
North Dakota	Bottineau County	38009	R	Propylene Dichloride	2.50E-06	2.50E-06	2.50E-06	2.56E-05	2.18E-05	3.71E-05	3.71E-05	3.71E-05	0.00E+00	2.18E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bottineau County	38009	R	Quinoline	2.79E-10	2.79E-10	2.79E-10	3.48E-08	2.33E-08	3.48E-08	3.48E-08	3.48E-08	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bottineau County	38009	R	1,1,2,2-Tetrachloroethane	2.28E-05	2.28E-05	2.28E-05	2.27E-04	1.94E-04	3.33E-04	3.33E-04	3.33E-04	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bottineau County	38009	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.34E-02	8.27E-02	8.36E-02	8.36E-02	8.36E-02	0.00E+00	1.72E-03	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Bottineau County	38009	R	Vinyl Chloride	5.62E-05	5.62E-05	5.62E-05	5.60E-04	4.79E-04	8.20E-04	8.20E-04	8.20E-04	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	R	Acetaldehyde	9.74E-01	9.74E-01	9.74E-01	1.59E+00	1.59E+00	2.21E+00	2.21E+00	2.21E+00	0.00E+00	1.58E+00	8.49E-03	8.35E-03	0.00E+00	
North Dakota	Bowman County	38011	R	Acrolein	2.73E-01	2.73E-01	2.73E-01	4.16E-01	4.16E-01	5.59E-01	5.59E-01	5.59E-01	0.00E+00	4.14E-01	1.11E-03	3.88E-04	0.00E+00	
North Dakota	Bowman County	38011	R	Acrylonitrile	3.26E-06	3.26E-06	3.26E-06	6.47E-06	6.47E-06	9.68E-06	9.68E-06	9.68E-06	0.00E+00	6.47E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	R	Arsenic Compounds	1.27E-06	1.27E-06	1.27E-06	5.27E-06	5.27E-06	9.27E-06	9.27E-06	9.27E-06	0.00E+00	4.77E-07	2.95E-06	1.84E-06	0.00E+00	
North Dakota	Bowman County	38011	R	Benzene	9.66E-01	9.66E-01	9.66E-01	1.26E+00	1.26E+00	1.55E+00	1.55E+00	1.55E+00	0.00E+00	7.46E-01	2.75E-02	3.94E-03	4.80E-01	
North Dakota	Bowman County	38011	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	
North Dakota	Bowman County	38011	R	Beryllium Compounds	1.31E-07	1.31E-07	1.31E-07	4.71E-07	4.71E-07	8.10E-07	8.10E-07	8.10E-07	0.00E+00	1.63E-07	0.00E+00	3.08E-07	0.00E+00	
North Dakota	Bowman County	38011	R	1,3-Butadiene	7.97E-02	7.97E-02	7.97E-02	1.27E-01	1.27E-01	1.74E-01	1.74E-01	1.74E-01	0.00E+00	1.24E-01	2.83E-03	4.50E-04	0.00E+00	
North Dakota	Bowman County	38011	R	Cadmium Compounds	1.48E-07	1.48E-07	1.48E-07	5.62E-07	5.62E-07	9.76E-07	9.76E-07	9.76E-07	0.00E+00	2.55E-07	0.00E+00	3.07E-07	0.00E+00	
North Dakota	Bowman County	38011	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	4.71E-05	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Bowman County	38011	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	1.82E-05	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Bowman County	38011	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.32E-02	8.32E-02	8.32E-02	0.00E+00	8.29E-05	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Bowman County	38011	R	Chromium Compounds (includes Hexavalent)	2.48E-07	2.48E-07	2.48E-07	2.02E-06	2.02E-06	3.79E-06	3.79E-06	3.79E-06	0.00E+00	3.30E-07	1.58E-06	1.12E-07	0.00E+00	
North Dakota	Bowman County	38011	R	Chromium VI	9.28E-08	9.28E-08	9.28E-08	7.97E-07	7.97E-07	1.50E-06	1.50E-06	1.50E-06	0.00E+00	1.48E-07	6.11E-07	3.82E-08	0.00E+00	
North Dakota	Bowman County	38011	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	
North Dakota	Bowman County	38011	R	1,4-Dichlorobenzene	8.01E-05	8.01E-05	8.01E-05	1.04E-03	1.04E-03	2.01E-03	2.01E-03	2.01E-03	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	R	1,3-Dichloropropene	1.59E-04	1.59E-04	1.59E-04	2.12E-03	2.12E-03	4.09E-03	4.09E-03	4.09E-03	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	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	1.28E-09	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Bowman County	38011	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	3.54E-07	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Bowman County	38011	R	Ethylene Oxide	2.39E-06	2.39E-06	2.39E-06	5.09E-05	5.09E-05	9.94E-05	9.94E-05	9.94E-05	0.00E+00	5.09E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	R	Formaldehyde	1.55E+00	1.55E+00	1.55E+00	2.10E+00	2.10E+00	2.65E+00	2.65E+00	2.65E+00	0.00E+00	1.83E+00	1.18E-02	1.20E-02	2.50E-01	
North Dakota	Bowman County	38011	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.32E-05	9.32E-05	9.34E-05	9.34E-05	9.34E-05	0.00E+00	2.26E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Bowman County	38011	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	7.47E-09	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Bowman County	38011	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	
North Dakota	Bowman County	38011	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	
North Dakota	Bowman County	38011	R	Lead Compounds	1.76E-06	1.76E-06	1.76E-06	3.26E-05	3.26E-05	6.35E-05	6.35E-05	6.35E-05	0.00E+00	3.16E-05	0.00E+00	1.07E-06	0.00E+00	
North Dakota	Bowman County	38011	R	Manganese Compounds	2.89E-07	2.89E-07	2.89E-07	1.50E-06	1.50E-06	2.70E-06	2.70E-06	2.70E-06	0.00E+00	7.85E-07	5.45E-07	1.65E-07	0.00E+00	
North Dakota	Bowman County	38011	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	8.42E-07	3.51E-06	1.90E-06	1.50E-03	
North Dakota	Bowman County	38011	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.54E-01	1.54E-01	1.59E-01	1.59E-01	1.59E-01	0.00E+00	4.41E-03	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Bowman County	38011	R	Nickel Compounds	4.05E-07	4.05E-07	4.05E-07	3.76E-06	3.76E-06	7.11E-06	7.11E-06	7.11E-06	0.00E+00	2.27E-06	1.21E-06	2.80E-07	0.00E+00	
North Dakota	Bowman County	38011	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	5.48E-04	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Bowman County	38011	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	4.00E-04	4.00E-04	4.19E-04	4.19E-04	4.19E-04	0.00E+00	2.01E-05	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Bowman County	38011	R	Polycyclic Organic Matter	2.44E-02	2.44E-02	2.44E-02	3.87E-02	3.87E-02	5.30E-02	5.30E-02	5.30E-02	0.00E+00	3.80E-02	5.35E-04	1.17E-04	0.00E+00	
North Dakota	Bowman County	38011	R	7-PAH	1.01E-02	1.01E-02	1.01E-02	1.55E-02	1.55E-02	2.10E-02	2.10E-02	2.10E-02	0.00E+00	1.55E-02	4.07E-06	1.36E-06	0.00E+00	
North Dakota	Bowman County	38011	R	Propylene Dichloride	1.90E-07	1.90E-07	1.90E-07	2.63E-07	2.63E-07	3.36E-07	3.36E-07	3.36E-07	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	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	
North Dakota	Bowman County	38011	R	1,1,2,2-Tetrachloroethane	9.06E-07	9.06E-07	9.06E-07	1.29E-06	1.29E-06	1.68E-06	1.68E-06	1.68E-06	0.00E+00	1.29E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Bowman County	38011	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.15E-02	8.15E-02	8.21E-02	8.21E-02	8.21E-02	0.00E+00	5.44E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Bowman County	38011	R	Vinyl Chloride	2.28E-06	2.28E-06	2.28E-06	3.21E-06	3.21E-06	4.14E-06	4.14E-06	4.14E-06	0.00E+00	3.21E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Burke County	38013	R	Acetaldehyde	1.35E-02	1.35E-02	1.35E-02	3.13E-02	3.13E-02	4.92E-02	4.92E-02	4.92E-02	0.00E+00	1.25E-02	1.91E-03	1.69E-02	0.00E+00	
North Dakota	Burke County	38013	R	Acrolein	4.69E-04	4.69E-04	4.69E-04	1.63E-03	1.63E-03	2.79E-03	2.79E-03	2.79E-03	0.00E+00	1.07E-03	2.31E-04	3.25E-04	0.00E+00	
North Dakota	Burke County	38013	R	Acrylonitrile	1.90E-06	1.90E-06	1.90E-06	8.46E-06	8.46E-06	1.50E-05	1.50E-05	1.50E-05	0.00E+00	8.46E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Burke County	38013	R	Arsenic Compounds	1.66E-06	1.66E-06	1.66E-06	2.01E-06	2.01E-06	2.36E-06	2.36E-06	2.36E-06	0.00E+00	1.09E-07	2.65E-07	1.64E-06	0.00E+00	
North Dakota	Burke County	38013	R	Benzene	4.85E-01	4.85E-01	4.85E-01	4.89E-01	4.89E-01	4.92E-01	4.92E-01	4.92E-01	0.00E+00	3.11E-03	2.77E-03	2.83E-03	4.80E-01	
North Dakota	Burke County	38013	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	
North Dakota	Burke County	38013	R	Beryllium Compounds	1.29E-07	1.29E-07	1.29E-07	1.56E-07	1.56E-07	1.83E-07	1.83E-07	1.83E-07	0.00E+00	3.17E-08	0.00E+00	1.24E-07	0.00E+00	
North Dakota	Burke County	38013	R	1,3-Butadiene	3.22E-04	3.22E-04	3.22E-04	4.01E-04	4.01E-04	4.80E-04	4.80E-04	4.80E-04	0.00E+00	4.46E-05	1.65E-04	1.92E-04	0.00E+00	
North Dakota	Burke County	38013	R	Cadmium Compounds	1.45E-07	1.45E-07												

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Burke County	38013	R	1,3-Dichloropropene	1.28E-04	1.28E-04	1.28E-04	1.71E-04	1.71E-04	2.14E-04	2.14E-04	2.14E-04	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burke County	38013	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	4.58E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Burke County	38013	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	1.00E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Burke County	38013	R	Ethylene Oxide	1.11E-06	1.11E-06	1.11E-06	1.59E-06	1.59E-06	2.08E-06	2.08E-06	2.08E-06	0.00E+00	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burke County	38013	R	Formaldehyde	2.67E-01	2.67E-01	2.67E-01	2.82E-01	2.82E-01	2.97E-01	2.97E-01	2.97E-01	0.00E+00	9.06E-03	1.54E-03	2.11E-02	2.50E-01	2.50E-01
North Dakota	Burke County	38013	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	9.12E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Burke County	38013	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	5.02E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Burke County	38013	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
North Dakota	Burke County	38013	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
North Dakota	Burke County	38013	R	Lead Compounds	7.55E-07	7.55E-07	7.55E-07	2.40E-06	2.40E-06	4.05E-06	4.05E-06	4.05E-06	0.00E+00	4.36E-07	0.00E+00	1.97E-06	0.00E+00	0.00E+00
North Dakota	Burke County	38013	R	Manganese Compounds	2.98E-07	2.98E-07	2.98E-07	4.04E-07	4.04E-07	5.10E-07	5.10E-07	5.10E-07	0.00E+00	2.26E-07	4.56E-08	1.33E-07	0.00E+00	0.00E+00
North Dakota	Burke County	38013	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	1.65E-07	3.15E-07	1.58E-06	1.50E-03	1.50E-03
North Dakota	Burke County	38013	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	3.86E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Burke County	38013	R	Nickel Compounds	4.20E-07	4.20E-07	4.20E-07	6.51E-07	6.51E-07	8.83E-07	8.83E-07	8.83E-07	0.00E+00	3.47E-07	1.04E-07	2.00E-07	0.00E+00	0.00E+00
North Dakota	Burke County	38013	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	1.01E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Dakota	Burke County	38013	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Burke County	38013	R	Polycyclic Organic Matter	1.99E-04	1.99E-04	1.99E-04	5.03E-04	5.03E-04	8.06E-04	8.06E-04	8.06E-04	0.00E+00	3.69E-04	5.21E-05	8.13E-05	0.00E+00	0.00E+00
North Dakota	Burke County	38013	R	7-PAH	6.63E-06	6.63E-06	6.63E-06	5.32E-05	5.32E-05	9.97E-05	9.97E-05	9.97E-05	0.00E+00	5.19E-05	3.89E-07	8.47E-07	0.00E+00	0.00E+00
North Dakota	Burke County	38013	R	Propylene Dichloride	1.02E-07	1.02E-07	1.02E-07	5.04E-07	5.04E-07	9.05E-07	9.05E-07	9.05E-07	0.00E+00	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burke County	38013	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
North Dakota	Burke County	38013	R	1,1,2,2-Tetrachloroethane	8.29E-07	8.29E-07	8.29E-07	4.54E-06	4.54E-06	8.25E-06	8.25E-06	8.25E-06	0.00E+00	4.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burke County	38013	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	3.24E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Burke County	38013	R	Vinyl Chloride	2.04E-06	2.04E-06	2.04E-06	1.12E-05	1.12E-05	2.03E-05	2.03E-05	2.03E-05	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Acetaldehyde	3.16E-02	1.33E-01	4.90E-01	5.52E-01	4.90E-01	5.89E-01	6.07E-01	8.40E-01	3.41E-05	3.60E-01	8.11E-02	4.82E-02	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Acrolein	2.24E-02	1.09E-01	5.41E-01	5.67E-01	5.02E-01	6.07E-01	7.00E-01	7.39E-01	1.28E-04	4.89E-01	9.57E-03	3.46E-03	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Acrylonitrile	7.93E-06	1.67E-05	4.43E-05	7.37E-05	8.71E-05	1.11E-04	1.68E-04	2.72E-04	0.00E+00	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Arsenic Compounds	3.48E-06	7.97E-06	4.84E-05	7.39E-05	6.52E-05	8.91E-05	9.72E-05	1.04E-04	3.31E-05	1.05E-05	1.19E-05	9.78E-06	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Benzene	5.30E-01	7.13E-01	1.62E+00	2.01E+00	1.79E+00	2.21E+00	2.30E+00	2.68E+00	2.22E-02	1.04E+00	1.81E-01	6.35E-02	4.80E-01	4.80E-01
North Dakota	Burleigh County	38015	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
North Dakota	Burleigh County	38015	U	Beryllium Compounds	2.55E-07	1.20E-06	1.84E-06	5.74E-06	6.53E-06	8.55E-06	1.51E-05	1.97E-05	6.10E-07	4.27E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	1,3-Butadiene	4.62E-03	1.17E-02	1.62E-01	1.79E-01	1.66E-01	2.09E-01	2.71E-01	2.73E-01	1.61E-04	1.43E-01	1.54E-02	7.94E-03	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Cadmium Compounds	8.58E-07	4.96E-06	7.34E-06	2.11E-05	2.28E-05	3.06E-05	4.72E-05	6.52E-05	9.37E-06	1.17E-05	0.00E+00	1.65E-06	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Carbon Disulfide	4.71E-02	4.74E-02	4.78E-02	4.93E-02	4.90E-02	5.00E-02	5.04E-02	5.17E-02	1.32E-03	6.96E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Dakota	Burleigh County	38015	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Burleigh County	38015	U	Chloroform	8.31E-02	8.37E-02	8.52E-02	9.17E-02	9.09E-02	9.59E-02	9.77E-02	9.81E-02	0.00E+00	7.85E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Burleigh County	38015	U	Chromium Compounds (includes Hexavalent)	3.40E-06	1.80E-05	5.33E-05	9.20E-05	7.97E-05	1.10E-04	1.15E-04	1.20E-04	6.13E-05	7.32E-06	9.78E-06	1.32E-06	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Chromium VI	7.18E-07	3.39E-06	9.43E-06	1.92E-05	1.67E-05	2.42E-05	2.64E-05	2.83E-05	9.06E-06	3.40E-06	3.84E-06	4.47E-07	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	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
North Dakota	Burleigh County	38015	U	1,4-Dichlorobenzene	1.99E-04	7.86E-04	4.08E-03	1.87E-02	1.70E-02	2.79E-02	3.40E-02	3.54E-02	0.00E+00	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	1,3-Dichloropropene	3.62E-04	1.48E-03	8.24E-03	3.80E-02	3.46E-02	5.68E-02	6.94E-02	7.23E-02	0.00E+00	3.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	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	1.42E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Burleigh County	38015	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	5.51E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Burleigh County	38015	U	Ethylene Oxide	4.51E-06	3.16E-05	8.96E-05	8.74E-04	1.89E-03	1.33E-03	1.00E-02	1.14E-02	0.00E+00	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Formaldehyde	3.68E-01	6.71E-01	2.52E+00	2.61E+00	2.36E+00	2.81E+00	3.25E+00	3.37E+00	4.14E-04	1.97E+00	7.50E-02	6.72E-02	2.50E-01	2.50E-01
North Dakota	Burleigh County	38015	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	1.04E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Burleigh County	38015	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	1.11E-07	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Burleigh County	38015	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
North Dakota	Burleigh County	38015	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
North Dakota	Burleigh County	38015	U	Lead Compounds	1.43E-05	1.21E-04	3.21E-04	7.68E-04	1.06E-03	1.44E-03	1.97E-03	4.83E-03	5.60E-05	1.40E-04	0.00E+00	8.65E-04	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Manganese Compounds	5.89E-06	3.11E-05	9.20E-05	1.58E-04	1.33E-04	1.82E-04	1.95E-04	1.99E-04	9.00E-05	3.85E-05	3.17E-06	1.06E-06	0.00E+00	0.00E+00
North Dakota	Burleigh County	38015	U	Mercury Compounds	1.51E-03	1.52E-03	1.55E-03	1.66E-03	1.83E-03	1.90E-03	2.40E-03	3.05E-03	1.03E-05	2.99E-04	1.16E-05	9.64E-06	1.50E-03	1.50E-03
North Dakota	Burleigh County	38015	U	Methylene Chloride	1.51E-01	1.53E-01	1.59E-01	2.19E-01	2.20E-01	2.48E-01	2.98E-01	3.74E-01	5.37E-06	6.98E-02	0.00E+00	0.00E+00	1.50E-01	1.50E-01
North Dakota	Burleigh County	38015	U	Nickel Compounds	7.91E-06	4.33E-05	9.99E-05	2.37E-04	2.15E-04	3.14E-04	3.64E-04	4.40E-04	1.29E-04	7.76E-05	7.00E-06	1.93E-06	0.00E+00	0.00E+00

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	Cass County	38017	U	Acrylonitrile	2.68E-05	2.84E-05	2.05E-04	3.21E-04	6.13E-04	4.09E-04	7.54E-04	1.22E-03	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Arsenic Compounds	1.39E-05	1.41E-05	3.62E-05	7.22E-05	6.71E-05	9.47E-05	1.09E-04	1.33E-04	1.38E-05	2.19E-05	1.72E-05	1.41E-05	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Benzene	5.23E-01	5.35E-01	7.01E-01	8.25E-01	8.60E-01	1.08E+00	1.24E+00	1.33E+00	3.55E-05	6.00E-02	2.56E-01	6.41E-02	4.80E-01	0.00E+00	
North Dakota	Cass County	38017	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	
North Dakota	Cass County	38017	U	Beryllium Compounds	7.99E-07	1.05E-06	2.79E-06	6.15E-06	8.56E-06	1.31E-05	2.18E-05	2.24E-05	1.45E-06	6.24E-06	0.00E+00	8.72E-07	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	1,3-Butadiene	2.84E-03	3.35E-03	1.42E-02	2.93E-02	3.47E-02	4.80E-02	7.92E-02	2.48E-02	2.21E-03	2.44E-02	8.11E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Cadmium Compounds	1.77E-06	2.12E-06	4.21E-06	9.59E-06	1.50E-05	2.02E-05	3.70E-05	3.77E-05	2.84E-06	1.13E-05	0.00E+00	8.70E-07	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.77E-02	4.74E-02	4.78E-02	4.82E-02	3.50E-06	6.50E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Dakota	Cass County	38017	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	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01
North Dakota	Cass County	38017	U	Chloroform	8.34E-02	8.35E-02	8.98E-02	9.58E-02	9.58E-02	1.02E-01	1.09E-01	1.10E-01	1.58E-06	1.27E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Dakota	Cass County	38017	U	Chromium Compounds (includes Hexavalent)	1.73E-05	1.78E-05	6.95E-05	1.17E-04	1.56E-04	1.76E-04	2.41E-04	6.32E-04	5.81E-05	8.30E-05	1.43E-05	1.08E-06	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Chromium VI	7.40E-06	8.48E-06	2.67E-05	4.46E-05	5.74E-05	7.08E-05	8.53E-05	2.25E-04	2.02E-05	3.11E-05	5.74E-06	3.66E-07	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	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	
North Dakota	Cass County	38017	U	1,4-Dichlorobenzene	5.95E-04	7.59E-04	9.78E-03	1.90E-02	1.83E-02	2.76E-02	3.34E-02	3.85E-02	0.00E+00	1.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	1,3-Dichloropropene	1.25E-03	1.60E-03	2.18E-02	3.95E-02	3.97E-02	5.94E-02	7.19E-02	8.22E-02	0.00E+00	3.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.72E-03	7.72E-03	1.00E-05	3.43E-07	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
North Dakota	Cass County	38017	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	1.08E-06	7.92E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Dakota	Cass County	38017	U	Ethylene Oxide	2.69E-05	3.47E-05	2.22E-04	5.87E-04	1.28E-03	1.80E-03	4.40E-03	5.87E-03	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Formaldehyde	3.30E-01	3.38E-01	4.05E-01	4.98E-01	5.05E-01	5.80E-01	6.67E-01	6.78E-01	6.94E-03	4.24E-02	1.09E-01	9.71E-02	2.50E-01	0.00E+00	
North Dakota	Cass County	38017	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	9.33E-05	0.00E+00	1.04E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Cass County	38017	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	8.33E-08	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Cass County	38017	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	
North Dakota	Cass County	38017	U	Hydrazine	5.15E-11	1.33E-10	7.97E-10	2.03E-09	6.33E-09	1.56E-08	2.51E-08	0.00E+00	6.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Lead Compounds	7.46E-05	8.94E-05	3.67E-04	6.24E-04	1.10E-03	1.53E-03	2.26E-03	5.04E-03	9.07E-05	2.06E-04	0.00E+00	8.05E-04	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Manganese Compounds	8.87E-05	1.77E-04	4.82E-04	6.62E-04	1.37E-03	1.41E-03	1.64E-03	1.74E-03	1.23E-03	1.31E-04	4.78E-06	1.30E-06	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Mercury Compounds	1.51E-03	1.51E-03	1.55E-03	1.61E-03	1.73E-03	1.71E-03	1.92E-03	2.25E-03	1.65E-05	1.83E-04	1.75E-05	1.25E-05	1.50E-03	0.00E+00	
North Dakota	Cass County	38017	U	Methylene Chloride	1.52E-01	1.53E-01	1.86E-01	2.23E-01	2.36E-01	2.72E-01	3.27E-01	3.87E-01	7.70E-06	8.60E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Dakota	Cass County	38017	U	Nickel Compounds	1.42E-05	1.43E-05	1.21E-04	1.95E-04	3.24E-04	3.39E-04	9.84E-04	1.03E-03	1.02E-04	2.09E-04	1.06E-05	2.15E-06	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Perchloroethylene	1.41E-01	1.41E-01	1.53E-01	1.70E-01	1.74E-01	2.02E-01	2.11E-01	2.13E-01	1.14E-06	3.43E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Dakota	Cass County	38017	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.83E-04	3.86E-04	3.87E-04	3.89E-04	4.08E-04	0.00E+00	5.56E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Dakota	Cass County	38017	U	Polycyclic Organic Matter	2.78E-03	3.70E-03	1.84E-02	2.75E-02	2.59E-02	3.59E-02	3.86E-02	5.23E-02	2.53E-05	1.94E-02	4.61E-03	1.84E-03	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	7-PAH	4.22E-04	4.77E-04	4.92E-04	6.21E-04	7.40E-04	7.81E-04	1.40E-03	1.60E-03	7.99E-09	6.96E-04	3.10E-05	1.34E-05	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Propylene Dichloride	1.23E-06	1.52E-06	9.86E-06	1.45E-05	3.43E-05	2.36E-05	4.45E-05	4.45E-05	0.00E+00	3.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Quinoline	5.64E-10	7.84E-10	4.06E-09	8.48E-09	1.86E-08	3.19E-08	4.42E-08	6.74E-08	0.00E+00	1.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	1,1,2,2-Tetrachloroethane	1.28E-05	1.45E-05	1.02E-04	1.34E-04	3.09E-04	4.07E-04	4.09E-04	4.07E-04	0.00E+00	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cass County	38017	U	Trichloroethylene	8.14E-02	8.14E-02	8.72E-02	9.18E-02	9.76E-02	1.03E-01	1.25E-01	1.30E-01	0.00E+00	1.66E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Dakota	Cass County	38017	U	Vinyl Chloride	4.20E-05	4.21E-05	3.48E-04	4.96E-04	8.63E-04	6.86E-04	1.05E-03	1.12E-03	0.00E+00	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Acetaldehyde	4.80E-02	4.80E-02	4.80E-02	7.93E-02	7.32E-02	9.23E-02	9.23E-02	9.23E-02	7.72E-02	2.22E-02	1.02E-02	4.08E-02	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Acrolein	7.72E-03	7.72E-03	7.72E-03	3.98E-02	3.10E-02	4.53E-02	4.53E-02	4.53E-02	3.51E-07	2.93E-02	9.97E-04	6.23E-04	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Acrylonitrile	3.50E-06	3.50E-06	3.50E-06	1.04E-05	2.75E-05	6.87E-05	6.87E-05	6.87E-05	0.00E+00	2.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Arsenic Compounds	3.22E-06	3.22E-06	3.22E-06	4.37E-06	7.85E-06	1.59E-05	1.59E-05	1.59E-05	4.62E-07	3.48E-07	2.79E-06	4.24E-06	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Benzene	4.99E-01	4.99E-01	4.99E-01	5.62E-01	5.73E-01	6.60E-01	6.60E-01	6.60E-01	1.84E-06	5.91E-02	2.70E-02	7.38E-03	4.80E-01	0.00E+00	
North Dakota	Cavalier County	38019	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	
North Dakota	Cavalier County	38019	R	Beryllium Compounds	4.13E-08	4.13E-08	4.13E-08	8.44E-08	1.92E-07	4.50E-07	4.50E-07	4.50E-07	2.44E-08	1.31E-07	0.00E+00	3.69E-08	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	1,3-Butadiene	1.40E-03	1.40E-03	1.40E-03	1.37E-02	1.40E-02	2.70E-02	2.70E-02	2.70E-02	0.00E+00	1.05E-02	2.86E-03	6.73E-04	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Cadmium Compounds	1.05E-07	1.05E-07	1.05E-07	4.22E-07	5.76E-07	1.20E-06	1.20E-06	1.20E-06	6.06E-08	4.79E-07	0.00E+00	3.68E-08	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	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	1.84E-07	5.12E-05	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Dakota	Cavalier County	38019	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	1.72E-05	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Cavalier County	38019	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	9.33E-05	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Dakota	Cavalier County	38019	R	Chromium Compounds (includes Hexavalent)	2.34E-07	2.34E-07	2.34E-07	8.25E-07	2.14E-06	5.37E-06	5.37E-06	5.37E-06	3.04E-07	2.42E-07	1.52E-06	7.57E-08	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	R	Chromium VI	8.97E-08	8.97E-08	8.97E-08	4.04E-07	8.97E-07	2.20E-06	2.20E-06	2.20E-06	1.70E-07	1.16E-07	5.85E-07	2.57E-08	0.00E+00	0.00E+00	
North Dakota	Cavalier County	38019	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	
North Dakota	Cavalier County	38019	R	1,4-Dichlorobenzene	7.25E-05	7.25E-05	7.25E-05	1.48E-04	1.06E-03	2.95E-03	2.95E-03	2.95E-03	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Cavalier County</																		

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	Divide County	38023	R	Chromium VI	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	1.06E-07	0.00E+00	2.65E-08	6.51E-08	1.40E-08	0.00E+00	0.00E+00
North Dakota	Divide County	38023	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
North Dakota	Divide County	38023	R	1,4-Dichlorobenzene	9.14E-05	9.14E-05	9.14E-05	9.14E-05	9.14E-05	9.14E-05	9.14E-05	9.14E-05	9.14E-05	0.00E+00	9.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Divide County	38023	R	1,3-Dichloropropene	1.80E-04	1.80E-04	1.80E-04	1.80E-04	1.80E-04	1.80E-04	1.80E-04	1.80E-04	1.80E-04	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Divide County	38023	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	0.00E+00	7.70E-03
North Dakota	Divide County	38023	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	1.19E-08	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Divide County	38023	R	Ethylene Oxide	4.46E-06	4.46E-06	4.46E-06	4.46E-06	4.46E-06	4.46E-06	4.46E-06	4.46E-06	4.46E-06	0.00E+00	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Divide County	38023	R	Formaldehyde	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	2.86E-01	0.00E+00	1.24E-02	1.42E-03	2.24E-02	2.50E-01	0.00E+00
North Dakota	Divide County	38023	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	1.14E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Dakota	Divide County	38023	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	5.79E-10	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Dakota	Divide County	38023	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
North Dakota	Divide County	38023	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
North Dakota	Divide County	38023	R	Lead Compounds	5.14E-07	5.14E-07	5.14E-07	5.14E-07	5.14E-07	5.14E-07	5.14E-07	5.14E-07	5.14E-07	0.00E+00	2.55E-07	0.00E+00	2.59E-07	0.00E+00	0.00E+00
North Dakota	Divide County	38023	R	Manganese Compounds	4.07E-07	4.07E-07	4.07E-07	4.07E-07	4.07E-07	4.07E-07	4.07E-07	4.07E-07	4.07E-07	0.00E+00	2.03E-07	5.02E-08	1.53E-07	0.00E+00	0.00E+00
North Dakota	Divide County	38023	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	5.06E-08	3.56E-07	1.80E-06	1.50E-03	0.00E+00
North Dakota	Divide County	38023	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	3.71E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Dakota	Divide County	38023	R	Nickel Compounds	5.37E-07	5.37E-07	5.37E-07	5.37E-07	5.37E-07	5.37E-07	5.37E-07	5.37E-07	5.37E-07	0.00E+00	1.93E-07	1.26E-07	2.19E-07	0.00E+00	0.00E+00
North Dakota	Divide County	38023	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	5.45E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Dakota	Divide County	38023	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	1.23E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Dakota	Divide County	38023	R	Polycyclic Organic Matter	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	5.11E-04	0.00E+00	3.73E-04	5.95E-05	7.80E-05	0.00E+00	0.00E+00
North Dakota	Divide County	38023	R	7-PAH	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	5.48E-05	0.00E+00	5.34E-05	4.38E-07	8.88E-07	0.00E+00	0.00E+00
North Dakota	Divide County	38023	R	Propylene Dichloride	9.61E-09	9.61E-09	9.61E-09	9.61E-09	9.61E-09	9.61E-09	9.61E-09	9.61E-09	9.61E-09	0.00E+00	9.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Divide County	38023	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
North Dakota	Divide County	38023	R	1,1,2,2-Tetrachloroethane	1.51E-09	1.51E-09	1.51E-09	1.51E-09	1.51E-09	1.51E-09	1.51E-09	1.51E-09	1.51E-09	0.00E+00	1.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Divide County	38023	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	4.38E-05	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Dakota	Divide County	38023	R	Vinyl Chloride	5.56E-09	5.56E-09	5.56E-09	5.56E-09	5.56E-09	5.56E-09	5.56E-09	5.56E-09	5.56E-09	0.00E+00	5.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Acetaldehyde	2.11E-01	2.11E-01	2.11E-01	2.74E-01	2.74E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	0.00E+00	2.63E-01	1.82E-03	9.71E-03	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Acrolein	2.66E-01	2.66E-01	2.66E-01	3.11E-01	3.11E-01	3.56E-01	3.56E-01	3.56E-01	3.56E-01	0.00E+00	3.10E-01	3.29E-04	3.35E-04	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Acrylonitrile	2.22E-06	2.22E-06	2.22E-06	2.51E-06	2.51E-06	2.81E-06	2.81E-06	2.81E-06	2.81E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Arsenic Compounds	1.25E-06	1.25E-06	1.25E-06	1.52E-06	1.52E-06	1.79E-06	1.79E-06	1.79E-06	1.79E-06	0.00E+00	7.79E-08	3.30E-07	1.11E-06	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Benzene	9.01E-01	9.01E-01	9.01E-01	1.00E+00	1.00E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	0.00E+00	5.15E-01	3.43E-03	4.50E-03	4.80E-01	0.00E+00
North Dakota	Dunn County	38025	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
North Dakota	Dunn County	38025	R	Beryllium Compounds	3.16E-08	3.16E-08	3.16E-08	3.39E-08	3.39E-08	3.62E-08	3.62E-08	3.62E-08	3.62E-08	0.00E+00	2.68E-08	0.00E+00	7.10E-09	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	1,3-Butadiene	2.85E-02	2.85E-02	2.85E-02	6.14E-02	6.14E-02	9.43E-02	9.43E-02	9.43E-02	9.43E-02	0.00E+00	6.10E-02	1.56E-04	1.94E-04	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Cadmium Compounds	5.60E-08	5.60E-08	5.60E-08	6.63E-08	6.63E-08	7.67E-08	7.67E-08	7.67E-08	7.67E-08	0.00E+00	5.93E-08	0.00E+00	7.03E-09	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	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	5.51E-06	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Dakota	Dunn County	38025	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	3.37E-06	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Dakota	Dunn County	38025	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	1.68E-05	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Dakota	Dunn County	38025	R	Chromium Compounds (includes Hexavalent)	2.85E-07	2.85E-07	2.85E-07	2.90E-07	2.90E-07	2.95E-07	2.95E-07	2.95E-07	2.95E-07	0.00E+00	5.63E-08	1.96E-07	3.81E-08	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Chromium VI	1.09E-07	1.09E-07	1.09E-07	1.11E-07	1.11E-07	1.13E-07	1.13E-07	1.13E-07	1.13E-07	0.00E+00	2.28E-08	7.53E-08	1.30E-08	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	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
North Dakota	Dunn County	38025	R	1,4-Dichlorobenzene	1.02E-04	1.02E-04	1.02E-04	1.12E-04	1.12E-04	1.22E-04	1.22E-04	1.22E-04	1.22E-04	0.00E+00	1.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	1,3-Dichloropropene	1.95E-04	1.95E-04	1.95E-04	2.15E-04	2.15E-04	2.35E-04	2.35E-04	2.35E-04	2.35E-04	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.15E-09	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Dakota	Dunn County	38025	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	2.58E-07	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Dakota	Dunn County	38025	R	Ethylene Oxide	5.18E-07	5.18E-07	5.18E-07	7.49E-07	7.49E-07	9.80E-07	9.80E-07	9.80E-07	9.80E-07	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Dunn County	38025	R	Formaldehyde	1.18E+00	1.18E+00	1.18E+00	1.44E+00	1.44E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	0.00E+00	1.18E+00	1.61E-03	1.04E-02	2.50E-01	0.00E+00
North Dakota	Dunn County	38025	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	3.89E-08	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Dakota	Dunn County	38025	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	8.36E-10	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Dakota	Dunn County	38025	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
North Dakota	Dunn County	38025	R	Hydrazine	0.00E+00	0.00E+00	0.00E												

DRAFT FOR REVIEW ONLY
 Estimated Annual Average Ambient Concentrations µg/m3 for North 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			
North Dakota	Dunn County	38025	R	Vinyl Chloride	2.31E-06	2.31E-06	2.31E-06	2.81E-06	2.81E-06	3.30E-06	3.30E-06	3.30E-06	0.00E+00	2.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Acetaldehyde	3.91E-02	3.91E-02	3.91E-02	3.95E-02	4.29E-02	5.02E-02	5.02E-02	5.02E-02	0.00E+00	2.15E-02	3.11E-03	1.83E-02	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Acrolein	4.09E-03	4.09E-03	4.09E-03	5.86E-03	6.62E-03	9.89E-03	9.89E-03	9.89E-03	0.00E+00	5.64E-03	4.82E-04	4.92E-04	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Acrylonitrile	1.34E-06	1.34E-06	1.34E-06	2.84E-06	2.78E-06	4.17E-06	4.17E-06	4.17E-06	0.00E+00	2.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Arsenic Compounds	2.31E-06	2.31E-06	2.31E-06	2.85E-06	2.77E-06	3.15E-06	3.15E-06	3.15E-06	0.00E+00	1.23E-07	5.53E-07	2.09E-06	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Benzene	4.97E-01	4.97E-01	4.97E-01	5.02E-01	5.01E-01	5.04E-01	5.04E-01	5.04E-01	0.00E+00	1.11E-02	5.92E-03	3.90E-03	4.80E-01	0.00E+00		
North Dakota	Eddy County	38027	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	
North Dakota	Eddy County	38027	R	Beryllium Compounds	3.89E-07	3.89E-07	3.89E-07	4.17E-07	4.18E-07	4.48E-07	4.48E-07	4.48E-07	0.00E+00	3.73E-08	0.00E+00	3.81E-07	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	1,3-Butadiene	9.84E-04	9.84E-04	9.84E-04	1.41E-03	1.34E-03	1.64E-03	1.64E-03	1.64E-03	0.00E+00	7.00E-04	3.65E-04	2.80E-04	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Cadmium Compounds	4.86E-07	4.86E-07	4.86E-07	5.36E-07	5.41E-07	6.00E-07	6.00E-07	6.00E-07	0.00E+00	1.61E-07	0.00E+00	3.79E-07	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	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	8.64E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02		
North Dakota	Eddy County	38027	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	5.84E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01		
North Dakota	Eddy County	38027	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.31E-02	0.00E+00	4.32E-05	0.00E+00	0.00E+00	0.00E+00	8.30E-02		
North Dakota	Eddy County	38027	R	Chromium Compounds (includes Hexavalent)	3.94E-07	3.94E-07	3.94E-07	5.43E-07	5.19E-07	6.19E-07	6.19E-07	6.19E-07	0.00E+00	8.92E-08	3.08E-07	1.22E-07	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	R	Chromium VI	1.48E-07	1.48E-07	1.48E-07	2.07E-07	1.97E-07	2.35E-07	2.35E-07	2.35E-07	0.00E+00	3.28E-08	1.23E-07	4.13E-08	0.00E+00	0.00E+00		
North Dakota	Eddy County	38027	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	
North Dakota	Eddy County	38027	R	1,4-Dichlorobenzene	1.51E-04	1.51E-04	1.51E-04	1.95E-04	1.86E-04	2.13E-04	2.13E-04	2.13E-04	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Eddy County	38027	R	1,3-Dichloropropene	2.90E-04	2.90E-04	2.90E-04	3.82E-04	3.65E-04	4.22E-04	4.22E-04	4.22E-04	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Eddy County	38027	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	1.60E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
North Dakota	Eddy County	38027	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	2.95E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Dakota	Eddy County	38027	R	Ethylene Oxide	3.01E-06	3.01E-06	3.01E-06	3.30E-06	3.70E-06	4.78E-06	4.78E-06	4.78E-06	0.00E+00	3.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Formaldehyde	3.00E-01	3.00E-01	3.00E-01	3.08E-01	3.08E-01	3.17E-01	3.17E-01	3.17E-01	0.00E+00	3.20E-02	2.91E-03	2.33E-02	2.50E-01	0.00E+00	0.00E+00	
North Dakota	Eddy County	38027	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	8.30E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Dakota	Eddy County	38027	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	1.08E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Dakota	Eddy County	38027	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	0.00E+00
North Dakota	Eddy County	38027	R	Hydrazine	1.32E-11	1.32E-11	1.32E-11	2.67E-11	3.96E-11	7.89E-11	7.89E-11	7.89E-11	0.00E+00	3.96E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Lead Compounds	7.02E-06	7.02E-06	7.02E-06	7.74E-06	7.60E-06	8.03E-06	8.03E-06	8.03E-06	0.00E+00	3.11E-06	0.00E+00	4.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Manganese Compounds	4.31E-07	4.31E-07	4.31E-07	5.61E-07	5.29E-07	5.97E-07	5.97E-07	5.97E-07	0.00E+00	2.47E-07	9.51E-08	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	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	9.84E-07	6.74E-07	2.27E-06	1.50E-03	0.00E+00	0.00E+00	
North Dakota	Eddy County	38027	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	6.64E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Dakota	Eddy County	38027	R	Nickel Compounds	7.69E-07	7.69E-07	7.69E-07	1.17E-06	1.05E-06	1.20E-06	1.20E-06	1.20E-06	0.00E+00	4.99E-07	2.39E-07	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	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	1.92E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Dakota	Eddy County	38027	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.76E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Dakota	Eddy County	38027	R	Polycyclic Organic Matter	9.16E-04	9.16E-04	9.16E-04	1.08E-03	1.06E-03	1.17E-03	1.17E-03	1.17E-03	0.00E+00	8.14E-04	1.08E-04	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	7-PAH	1.21E-04	1.21E-04	1.21E-04	1.80E-04	2.00E-04	2.97E-04	2.97E-04	2.97E-04	0.00E+00	1.97E-04	8.12E-07	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Propylene Dichloride	6.30E-08	6.30E-08	6.30E-08	1.63E-07	1.53E-07	2.34E-07	2.34E-07	2.34E-07	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Quinoline	1.82E-10	1.82E-10	1.82E-10	2.97E-10	4.49E-10	8.70E-10	8.70E-10	8.70E-10	0.00E+00	4.49E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	1,1,2,2-Tetrachloroethane	3.74E-07	3.74E-07	3.74E-07	1.29E-06	1.29E-06	1.95E-06	1.95E-06	1.95E-06	0.00E+00	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	8.11E-02	8.11E-02	8.11E-02	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02	0.00E+00	0.00E+00
North Dakota	Eddy County	38027	R	Vinyl Chloride	9.35E-07	9.35E-07	9.35E-07	3.20E-06	2.98E-06	4.81E-06	4.81E-06	4.81E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	Acetaldehyde	2.15E-01	2.15E-01	2.15E-01	3.54E-01	3.54E-01	4.93E-01	4.93E-01	4.93E-01	0.00E+00	3.33E-01	1.25E-02	8.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	Acrolein	3.00E-01	3.00E-01	3.00E-01	4.25E-01	4.25E-01	5.50E-01	5.50E-01	5.50E-01	0.00E+00	4.23E-01	1.42E-03	4.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	Acrylonitrile	2.78E-05	2.78E-05	2.78E-05	8.38E-05	8.38E-05	1.40E-04	1.40E-04	1.40E-04	0.00E+00	8.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	Arsenic Compounds	2.74E-06	2.74E-06	2.74E-06	7.61E-06	7.61E-06	1.25E-05	1.25E-05	1.25E-05	0.00E+00	7.73E-07	4.15E-06	2.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	Benzene	1.00E+00	1.00E+00	1.00E+00	1.34E+00	1.34E+00	1.67E+00	1.67E+00	1.67E+00	0.00E+00	8.14E-01	3.61E-02	5.65E-03	4.80E-01	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	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	0.00E+00
North Dakota	Emmons County	38029	R	Beryllium Compounds	5.53E-08	5.53E-08	5.53E-08	3.66E-07	3.66E-07	6.77E-07	6.77E-07	6.77E-07	0.00E+00	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	1,3-Butadiene	7.24E-02	7.24E-02	7.24E-02	1.70E-01	1.70E-01	2.68E-01	2.68E-01	2.68E-01	0.00E+00	1.66E-01	3.74E-03	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	R	Cadmium Compounds	3.39E-07	3.39E-07	3.39E-07	1.13E-06	1.13E-06	1.92E-06	1.92E-06	1.92E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Emmons County	38029	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	6.75E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	Emmons County	38029	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
North Dakota	Emmons County	38029	R	Lead Compounds	5.04E-06	5.04E-06	5.04E-06	3.85E-05	3.85E-05	7.19E-05	7.19E-05	7.19E-05	0.00E+00	3.84E-05	0.00E+00	6.14E-08	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	R	Manganese Compounds	6.12E-07	6.12E-07	6.12E-07	2.27E-06	2.27E-06	3.93E-06	3.93E-06	3.93E-06	0.00E+00	1.39E-06	6.70E-07	2.07E-07	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	0.00E+00	6.94E-06	4.89E-06	2.28E-06	1.50E-03	0.00E+00	
North Dakota	Emmons County	38029	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.56E-01	1.56E-01	1.61E-01	1.61E-01	1.61E-01	0.00E+00	5.70E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Dakota	Emmons County	38029	R	Nickel Compounds	1.72E-06	1.72E-06	1.72E-06	1.11E-05	1.11E-05	2.06E-05	2.06E-05	2.06E-05	0.00E+00	9.08E-06	1.77E-06	3.02E-07	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	0.00E+00	8.55E-04	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Dakota	Emmons County	38029	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.97E-04	3.97E-04	4.12E-04	4.12E-04	4.12E-04	0.00E+00	1.71E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Dakota	Emmons County	38029	R	Polycyclic Organic Matter	2.76E-02	2.76E-02	2.76E-02	4.49E-02	4.49E-02	6.23E-02	6.23E-02	6.23E-02	0.00E+00	4.41E-02	7.41E-04	1.15E-04	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	R	7-PAH	1.13E-02	1.13E-02	1.13E-02	1.79E-02	1.79E-02	2.46E-02	2.46E-02	2.46E-02	0.00E+00	1.79E-02	6.05E-06	1.04E-06	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	R	Propylene Dichloride	1.66E-06	1.66E-06	1.66E-06	4.92E-06	4.92E-06	8.17E-06	8.17E-06	8.17E-06	0.00E+00	4.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	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	
North Dakota	Emmons County	38029	R	1,1,2,2-Tetrachloroethane	1.50E-05	1.50E-05	1.50E-05	4.37E-05	4.37E-05	7.23E-05	7.23E-05	7.23E-05	0.00E+00	4.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Emmons County	38029	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.18E-02	8.18E-02	8.24E-02	8.24E-02	8.24E-02	0.00E+00	7.63E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Dakota	Emmons County	38029	R	Vinyl Chloride	3.70E-05	3.70E-05	3.70E-05	1.08E-04	1.08E-04	1.78E-04	1.78E-04	1.78E-04	0.00E+00	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Acetaldehyde	7.95E-02	7.95E-02	7.95E-02	1.17E-01	1.17E-01	1.55E-01	1.55E-01	1.55E-01	0.00E+00	7.68E-02	1.48E-02	2.56E-02	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Acrolein	1.72E-03	1.72E-03	1.72E-03	3.51E-03	3.51E-03	5.30E-03	5.30E-03	5.30E-03	0.00E+00	1.00E-03	1.55E-03	9.58E-04	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Acrylonitrile	3.57E-06	3.57E-06	3.57E-06	8.81E-06	8.81E-06	1.41E-05	1.41E-05	1.41E-05	0.00E+00	8.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Arsenic Compounds	3.12E-06	3.12E-06	3.12E-06	9.23E-06	9.23E-06	1.53E-05	1.53E-05	1.53E-05	0.00E+00	8.00E-07	4.49E-06	3.94E-06	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Benzene	4.92E-01	4.92E-01	4.92E-01	5.74E-01	5.74E-01	6.55E-01	6.55E-01	6.55E-01	0.00E+00	3.74E-02	4.40E-02	1.24E-02	4.80E-01	0.00E+00	
North Dakota	Foster County	38031	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	
North Dakota	Foster County	38031	R	Beryllium Compounds	5.20E-07	5.20E-07	5.20E-07	1.40E-06	1.40E-06	2.27E-06	2.27E-06	2.27E-06	0.00E+00	2.87E-07	0.00E+00	1.11E-06	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	1,3-Butadiene	6.33E-04	6.33E-04	6.33E-04	6.25E-03	6.25E-03	1.19E-02	1.19E-02	1.19E-02	0.00E+00	4.32E-05	4.76E-03	1.45E-03	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Cadmium Compounds	6.09E-07	6.09E-07	6.09E-07	2.10E-06	2.10E-06	3.59E-06	3.59E-06	3.59E-06	0.00E+00	9.89E-07	0.00E+00	1.11E-06	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	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	7.68E-05	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Dakota	Foster County	38031	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	2.84E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
North Dakota	Foster County	38031	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.32E-02	8.32E-02	8.33E-02	8.33E-02	8.33E-02	0.00E+00	1.68E-04	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Dakota	Foster County	38031	R	Chromium Compounds (includes Hexavalent)	4.76E-07	4.76E-07	4.76E-07	3.31E-06	3.31E-06	6.14E-06	6.14E-06	6.14E-06	0.00E+00	5.45E-07	2.36E-06	4.04E-07	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Chromium VI	1.75E-07	1.75E-07	1.75E-07	1.32E-06	1.32E-06	2.47E-06	2.47E-06	2.47E-06	0.00E+00	2.69E-07	9.15E-07	1.37E-07	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	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	
North Dakota	Foster County	38031	R	1,4-Dichlorobenzene	1.29E-04	1.29E-04	1.29E-04	1.70E-03	1.70E-03	3.28E-03	3.28E-03	3.28E-03	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	1,3-Dichloropropene	2.53E-04	2.53E-04	2.53E-04	3.47E-03	3.47E-03	6.69E-03	6.69E-03	6.69E-03	0.00E+00	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	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	1.11E-09	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
North Dakota	Foster County	38031	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	3.48E-07	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Dakota	Foster County	38031	R	Ethylene Oxide	5.34E-06	5.34E-06	5.34E-06	1.79E-04	1.79E-04	3.52E-04	3.52E-04	3.52E-04	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Formaldehyde	3.19E-01	3.19E-01	3.19E-01	3.30E-01	3.30E-01	3.42E-01	3.42E-01	3.42E-01	0.00E+00	2.54E-02	1.96E-02	3.54E-02	2.50E-01	0.00E+00	
North Dakota	Foster County	38031	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	2.00E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Dakota	Foster County	38031	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.23E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Dakota	Foster County	38031	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	
North Dakota	Foster County	38031	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	
North Dakota	Foster County	38031	R	Lead Compounds	3.41E-06	3.41E-06	3.41E-06	3.15E-05	3.15E-05	5.96E-05	5.96E-05	5.96E-05	0.00E+00	2.78E-05	0.00E+00	3.69E-06	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Manganese Compounds	5.54E-07	5.54E-07	5.54E-07	2.96E-06	2.96E-06	5.36E-06	5.36E-06	5.36E-06	0.00E+00	1.77E-06	7.89E-07	4.03E-07	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	0.00E+00	6.17E-06	5.62E-06	4.52E-06	1.50E-03	0.00E+00	
North Dakota	Foster County	38031	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.58E-01	1.58E-01	1.65E-01	1.65E-01	1.65E-01	0.00E+00	7.61E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Dakota	Foster County	38031	R	Nickel Compounds	1.04E-06	1.04E-06	1.04E-06	1.55E-05	1.55E-05	3.01E-05	3.01E-05	3.01E-05	0.00E+00	1.29E-05	1.88E-06	7.38E-07	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.52E-01	1.52E-01	1.63E-01	1.63E-01	1.63E-01	0.00E+00	1.17E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Dakota	Foster County	38031	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.93E-04	3.93E-04	4.05E-04	4.05E-04	4.05E-04	0.00E+00	1.34E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Dakota	Foster County	38031	R	Polycyclic Organic Matter	6.77E-04	6.77E-04	6.77E-04	5.20E-03	5.20E-03	9.73E-03	9.73E-03	9.73E-03	0.00E+00	3.99E-03	8.24E-04	3.91E-04	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	7-PAH	4.66E-05	4.66E-05	4.66E-05	1.64E-04	1.64E-04	2.82E-04	2.82E-04	2.82E-04	0.00E+00	1.54E-04	6.51E-06	3.65E-06	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Propylene Dichloride	2.06E-07	2.06E-07	2.06E-07	3.23E-07	3.23E-07	4.41E-07	4.41E-07	4.41E-07	0.00E+00	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	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	
North Dakota	Foster County	38031	R	1,1,2,2-Tetrachloroethane	4.68E-07	4.68E-07	4.68E-07	1.13E-06	1.13E-06	1.79E-06	1.79E-06	1.79E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Foster County	38031	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.23E-02	8.23E-02	8.35E-02	8.35E-02	8.35E-02	0.00E+00	1.27E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Dakota	Foster County	38031	R	Vinyl Chloride	1.23E-06														

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	Golden Valley County	38033	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	2.83E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Golden Valley County	38033	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	8.31E-02	0.00E+00	5.32E-05	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Golden Valley County	38033	R	Chromium Compounds (includes Hexavalent)	7.75E-07	7.75E-07	7.75E-07	7.75E-07	7.75E-07	7.75E-07	7.75E-07	7.75E-07	7.75E-07	0.00E+00	4.88E-08	4.76E-07	2.50E-07	0.00E+00	8.00E-02
North Dakota	Golden Valley County	38033	R	Chromium VI	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	3.04E-07	0.00E+00	1.91E-08	2.00E-07	8.51E-08	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	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
North Dakota	Golden Valley County	38033	R	1,4-Dichlorobenzene	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	R	1,3-Dichloropropene	2.26E-04	2.26E-04	2.26E-04	2.26E-04	2.26E-04	2.26E-04	2.26E-04	2.26E-04	2.26E-04	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	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	2.81E-10	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Golden Valley County	38033	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	7.04E-08	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Golden Valley County	38033	R	Ethylene Oxide	2.23E-07	2.23E-07	2.23E-07	2.23E-07	2.23E-07	2.23E-07	2.23E-07	2.23E-07	2.23E-07	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	R	Formaldehyde	2.55E+01	2.55E+01	2.55E+01	2.55E+01	2.55E+01	2.55E+01	2.55E+01	2.55E+01	2.55E+01	0.00E+00	2.52E+01	3.37E-03	1.75E-02	2.50E-01	2.50E+01
North Dakota	Golden Valley County	38033	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	6.51E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Golden Valley County	38033	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	6.95E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Golden Valley County	38033	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
North Dakota	Golden Valley County	38033	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
North Dakota	Golden Valley County	38033	R	Lead Compounds	5.47E-06	5.47E-06	5.47E-06	5.47E-06	5.47E-06	5.47E-06	5.47E-06	5.47E-06	5.47E-06	0.00E+00	2.10E-06	0.00E+00	3.37E-06	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	R	Manganese Compounds	4.83E-07	4.83E-07	4.83E-07	4.83E-07	4.83E-07	4.83E-07	4.83E-07	4.83E-07	4.83E-07	0.00E+00	1.56E-07	1.49E-07	1.78E-07	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	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	4.25E-08	9.70E-07	2.29E-06	1.50E-03	1.50E-03
North Dakota	Golden Valley County	38033	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	4.29E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Golden Valley County	38033	R	Nickel Compounds	9.31E-07	9.31E-07	9.31E-07	9.31E-07	9.31E-07	9.31E-07	9.31E-07	9.31E-07	9.31E-07	0.00E+00	2.10E-07	3.57E-07	3.72E-07	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	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	5.30E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Dakota	Golden Valley County	38033	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	1.25E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Golden Valley County	38033	R	Polycyclic Organic Matter	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	3.09E-02	0.00E+00	3.05E-02	1.58E-04	1.91E-04	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	R	7-PAH	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	0.00E+00	1.27E-02	1.13E-06	2.43E-06	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	R	Propylene Dichloride	4.19E-08	4.19E-08	4.19E-08	4.19E-08	4.19E-08	4.19E-08	4.19E-08	4.19E-08	4.19E-08	0.00E+00	4.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	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
North Dakota	Golden Valley County	38033	R	1,1,2,2-Tetrachloroethane	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	2.80E-07	0.00E+00	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Golden Valley County	38033	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	3.89E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Golden Valley County	38033	R	Vinyl Chloride	6.92E-07	6.92E-07	6.92E-07	6.92E-07	6.92E-07	6.92E-07	6.92E-07	6.92E-07	6.92E-07	0.00E+00	6.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Acetaldehyde	4.40E-02	4.85E-02	8.03E-02	1.68E-01	1.68E-01	2.20E-01	2.75E-01	4.79E-01	2.97E-05	2.94E-02	5.90E-02	7.99E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Acrolein	1.47E-02	1.51E-02	2.07E-02	2.34E-02	2.40E-02	2.69E-02	3.20E-02	3.59E-02	3.79E-06	1.56E-02	6.05E-03	2.39E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Acrylonitrile	6.43E-05	9.50E-05	1.24E-04	1.56E-04	1.52E-04	2.06E-04	2.45E-04	6.89E-03	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Arsenic Compounds	4.48E-06	5.45E-06	1.17E-05	3.36E-05	3.77E-05	4.65E-05	6.73E-05	1.33E-04	4.97E-06	1.32E-05	8.71E-06	1.07E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Benzene	5.19E-01	5.28E-01	6.03E-01	1.71E-01	1.70E-01	7.77E-01	1.01E+00	1.28E+00	1.81E-05	7.05E-02	1.39E-01	3.99E-02	4.80E-01	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	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
North Dakota	Grand Forks County	38035	U	Beryllium Compounds	3.48E-07	3.81E-07	7.97E-07	2.44E-06	3.05E-06	4.25E-06	6.89E-06	9.81E-06	2.58E-07	2.61E-06	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	1,3-Butadiene	5.53E-03	5.78E-03	1.18E-02	1.84E-02	2.15E-02	2.50E-02	3.48E-02	8.50E-02	0.00E+00	3.76E-03	1.33E-02	4.47E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Cadmium Compounds	7.00E-07	7.00E-07	1.16E-06	6.07E-06	5.82E-06	7.98E-06	1.00E-05	1.87E-05	6.33E-07	5.01E-06	0.00E+00	1.82E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Carbon Disulfide	4.70E-02	4.70E-02	4.74E-02	4.79E-02	4.79E-02	4.84E-02	4.89E-02	4.98E-02	1.81E-06	9.32E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Dakota	Grand Forks County	38035	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Grand Forks County	38035	U	Chloroform	8.31E-02	8.32E-02	8.53E-02	9.04E-02	9.00E-02	9.35E-02	9.60E-02	9.78E-02	7.94E-07	7.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Grand Forks County	38035	U	Chromium Compounds (includes Hexavalent)	1.02E-06	1.86E-06	5.91E-06	1.74E-05	2.24E-05	2.90E-05	5.16E-05	8.44E-05	4.15E-06	1.07E-05	6.99E-06	5.28E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Chromium VI	4.50E-07	8.27E-07	2.87E-06	8.53E-06	1.04E-05	1.44E-05	2.35E-05	3.46E-05	2.06E-06	5.35E-06	2.83E-06	1.79E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	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	
North Dakota	Grand Forks County	38035	U	1,4-Dichlorobenzene	3.07E-04	4.28E-04	6.78E-03	1.78E-02	1.59E-02	2.45E-02	2.96E-02	3.34E-02	0.00E+00	1.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	1,3-Dichloropropene	5.87E-04	8.47E-04	1.26E-02	3.69E-02	3.32E-02	5.12E-02	6.14E-02	6.95E-02	0.00E+00	3.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.71E-03	7.72E-03	7.72E-03	7.72E-03	7.73E-03	7.74E-03	1.61E-05	3.31E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Dakota	Grand Forks County	38035	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.10E-02	6.10E-02	6.18E-02	5.56E-07	6.38E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Dakota	Grand Forks County	38035	U	Ethylene Oxide	1.47E-05	2.29E-05	5.74E-05	1.75E-03	2.48E-03	3.01E-03	7.34E-03	1.14E-02	0.00E+00	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Formaldehyde	3.50E-01	3.00E-01	3.99E-01	4.63E-01	4.61E-01	4.99E-01	5.50E-01	7.32E-01	3.90E-06	6.70E-02	5.89E-02	8.50E-02	2.50E-01	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38																	

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Grand Forks County	38035	U	Quinoline	7.15E-10	3.18E-09	6.84E-09	4.09E-08	7.04E-08	8.32E-08	1.05E-07	5.03E-07	0.00E+00	7.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	1,1,2,2-Tetrachloroethane	3.50E-05	3.72E-05	4.30E-05	4.51E-05	2.70E-04	4.73E-05	7.98E-05	3.82E-03	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grand Forks County	38035	U	Trichloroethylene	8.12E-02	8.13E-02	8.56E-02	8.91E-02	8.99E-02	9.52E-02	1.00E-01	1.02E-01	0.00E+00	8.92E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Grand Forks County	38035	U	Vinyl Chloride	8.62E-05	9.07E-05	1.05E-04	1.10E-04	6.64E-04	1.23E-04	1.96E-04	9.41E-03	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Acetaldehyde	6.41E+01	6.41E+01	6.41E+01	6.90E+01	6.90E+01	7.38E+01	7.38E+01	7.38E+01	0.00E+00	6.90E+01	1.59E-03	1.30E-02	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Acrolein	1.43E-01	1.43E-01	1.43E-01	1.52E-01	1.52E-01	1.61E-01	1.61E-01	1.61E-01	0.00E+00	1.51E-01	2.69E-04	2.29E-04	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Acrylonitrile	6.39E-06	6.39E-06	6.39E-06	7.14E-06	7.14E-06	7.90E-06	7.90E-06	7.90E-06	0.00E+00	7.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Arsenic Compounds	1.74E-06	1.74E-06	1.74E-06	2.02E-06	2.02E-06	2.29E-06	2.29E-06	2.29E-06	0.00E+00	7.63E-08	3.15E-07	1.63E-06	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Benzene	7.38E-01	7.38E-01	7.38E-01	7.51E-01	7.51E-01	7.65E-01	7.65E-01	7.65E-01	0.00E+00	2.66E-01	3.11E-03	1.92E-03	4.80E-01	0.00E+00
North Dakota	Grant County	38037	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
North Dakota	Grant County	38037	R	Beryllium Compounds	2.17E-08	2.17E-08	2.17E-08	3.06E-08	3.06E-08	3.95E-08	3.95E-08	3.95E-08	0.00E+00	2.41E-08	0.00E+00	6.52E-09	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	1,3-Butadiene	4.00E-02	4.00E-02	4.00E-02	4.21E-02	4.21E-02	4.42E-02	4.42E-02	4.42E-02	0.00E+00	4.18E-02	1.74E-04	1.26E-04	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Cadmium Compounds	2.87E-08	2.87E-08	2.87E-08	5.23E-08	5.23E-08	7.59E-08	7.59E-08	7.59E-08	0.00E+00	4.58E-08	0.00E+00	6.46E-09	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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	4.77E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Dakota	Grant County	38037	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	3.36E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Grant County	38037	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	1.61E-05	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Grant County	38037	R	Chromium Compounds (includes Hexavalent)	1.97E-07	1.97E-07	1.97E-07	2.53E-07	2.53E-07	3.09E-07	3.09E-07	3.09E-07	0.00E+00	5.47E-08	1.82E-07	1.65E-08	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Chromium VI	7.80E-08	7.80E-08	7.80E-08	1.01E-07	1.01E-07	1.23E-07	1.23E-07	1.23E-07	0.00E+00	2.02E-08	7.47E-08	5.62E-09	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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
North Dakota	Grant County	38037	R	1,4-Dichlorobenzene	6.26E-05	6.26E-05	6.26E-05	8.47E-05	8.47E-05	1.07E-04	1.07E-04	1.07E-04	0.00E+00	8.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	1,3-Dichloropropene	1.23E-04	1.23E-04	1.23E-04	1.66E-04	1.66E-04	2.10E-04	2.10E-04	2.10E-04	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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	3.80E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Grant County	38037	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	4.31E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Grant County	38037	R	Ethylene Oxide	2.59E-06	2.59E-06	2.59E-06	4.36E-06	4.36E-06	6.14E-06	6.14E-06	6.14E-06	0.00E+00	4.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Formaldehyde	1.67E+01	1.67E+01	1.67E+01	1.74E+01	1.74E+01	1.82E+01	1.82E+01	1.82E+01	0.00E+00	1.72E+01	1.46E-03	1.57E-02	2.50E-01	0.00E+00
North Dakota	Grant County	38037	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	7.76E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Grant County	38037	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
North Dakota	Grant County	38037	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
North Dakota	Grant County	38037	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
North Dakota	Grant County	38037	R	Lead Compounds	9.80E-07	9.80E-07	9.80E-07	1.71E-06	1.71E-06	2.44E-06	2.44E-06	2.44E-06	0.00E+00	1.66E-06	0.00E+00	4.82E-08	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Manganese Compounds	2.42E-07	2.42E-07	2.42E-07	3.80E-07	3.80E-07	5.18E-07	5.18E-07	5.18E-07	0.00E+00	2.03E-07	5.69E-08	1.20E-07	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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	5.61E-08	3.72E-07	1.42E-06	1.50E-03	0.00E+00
North Dakota	Grant County	38037	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	4.08E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Grant County	38037	R	Nickel Compounds	3.68E-07	3.68E-07	3.68E-07	4.78E-07	4.78E-07	5.88E-07	5.88E-07	5.88E-07	0.00E+00	1.71E-07	1.40E-07	1.67E-07	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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	5.10E-05	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Dakota	Grant County	38037	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.15E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Grant County	38037	R	Polycyclic Organic Matter	1.39E-02	1.39E-02	1.39E-02	1.44E-02	1.44E-02	1.49E-02	1.49E-02	1.49E-02	0.00E+00	1.43E-02	6.16E-05	5.06E-05	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	7-PAH	5.54E-03	5.54E-03	5.54E-03	5.56E-03	5.56E-03	6.17E-03	6.17E-03	6.17E-03	0.00E+00	5.85E-03	4.59E-07	4.22E-07	0.00E+00	0.00E+00
North Dakota	Grant County	38037	R	Propylene Dichloride	3.78E-07	3.78E-07	3.78E-07	4.22E-07	4.22E-07	4.66E-07	4.66E-07	4.66E-07	0.00E+00	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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
North Dakota	Grant County	38037	R	1,1,2,2-Tetrachloroethane	3.39E-06	3.39E-06	3.39E-06	3.77E-06	3.77E-06	4.16E-06	4.16E-06	4.16E-06	0.00E+00	3.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Grant County	38037	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	3.45E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Grant County	38037	R	Vinyl Chloride	8.35E-06	8.35E-06	8.35E-06	9.29E-06	9.29E-06	1.02E-05	1.02E-05	1.02E-05	0.00E+00	9.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	Acetaldehyde	4.03E-02	4.03E-02	4.03E-02	4.04E-02	4.04E-02	4.05E-02	4.05E-02	4.05E-02	0.00E+00	6.13E-03	3.23E-03	3.10E-02	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	Acrolein	3.27E-03	3.27E-03	3.27E-03	4.42E-03	4.42E-03	5.57E-03	5.57E-03	5.57E-03	0.00E+00	3.44E-03	3.80E-04	6.00E-04	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	Acrylonitrile	6.11E-05	6.11E-05	6.11E-05	6.84E-05	6.84E-05	7.56E-05	7.56E-05	7.56E-05	0.00E+00	6.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	Arsenic Compounds	2.80E-06	2.80E-06	2.80E-06	3.77E-06	3.77E-06	4.74E-06	4.74E-06	4.74E-06	0.00E+00	1.66E-07	6.10E-07	2.99E-06	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	Benzene	4.93E-01	4.93E-01	4.93E-01	5.01E-01	5.01E-01	5.09E-01	5.09E-01	5.09E-01	0.00E+00	9.42E-03	6.29E-03	5.12E-03	4.80E-01	0.00E+00
North Dakota	Griggs County	38039	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
North Dakota	Griggs County	38039	R	Beryllium Compounds	4.70E-07	4.70E-07	4.70E-07	4.88E-07	4.88E-07	5.06E-07	5.06E-07	5.06E-07	0.00E+00	5.93E-08	0.00E+00	4.28E-07	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	1,3-Butadiene	1.23E-03	1.23E-03	1.23E-03	2.27E-03	2.27E-03	3.31E-03	3.31E-03	3.31E-03	0.00E+00	1.31E-03	5.21E-04	4.38E-04	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	R	Cadmium Compounds	5.22E-07	5.22E-07	5.22E-07	5.76E-07	5.76E-07	6.30E-07	6.30E-07	6.30E-07	0.00E+00	1.48E-07	0.00E+00	4.27E-07	0.00E+00	0.00E+00
North Dakota	Griggs County	38039	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	1.73E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Dakota	Griggs County	38039	R	Carbon Tetrachloride	8.80E-01	8.80												

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Kidder County	38043	R	1,3-Butadiene	6.58E-03	6.58E-03	6.58E-03	8.65E-03	8.65E-03	1.07E-02	1.07E-02	1.07E-02	0.00E+00	7.92E-03	4.46E-04	2.87E-04	0.00E+00	
North Dakota	Kidder County	38043	R	Cadmium Compounds	9.15E-08	9.15E-08	9.15E-08	6.23E-07	6.23E-07	1.15E-06	1.15E-06	1.15E-06	0.00E+00	5.58E-08	0.00E+00	5.67E-07	0.00E+00	
North Dakota	Kidder County	38043	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	4.12E-06	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Kidder County	38043	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	5.26E-06	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Kidder County	38043	R	Chloroform	8.32E-02	8.32E-02	8.32E-02	8.33E-02	8.33E-02	8.34E-02	8.34E-02	8.34E-02	0.00E+00	2.76E-04	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Kidder County	38043	R	Chromium Compounds (includes Hexavalent)	4.89E-07	4.89E-07	4.89E-07	7.15E-07	7.15E-07	9.41E-07	9.41E-07	9.41E-07	0.00E+00	8.19E-08	4.65E-07	1.68E-07	0.00E+00	
North Dakota	Kidder County	38043	R	Chromium VI	1.93E-07	1.93E-07	1.93E-07	2.74E-07	2.74E-07	3.55E-07	3.55E-07	3.55E-07	0.00E+00	2.98E-08	1.87E-07	5.72E-08	0.00E+00	
North Dakota	Kidder County	38043	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	
North Dakota	Kidder County	38043	R	1,4-Dichlorobenzene	5.26E-05	5.26E-05	5.26E-05	9.85E-05	9.85E-05	1.44E-04	1.44E-04	1.44E-04	0.00E+00	9.85E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Kidder County	38043	R	1,3-Dichloropropene	1.04E-04	1.04E-04	1.04E-04	1.95E-04	1.95E-04	2.86E-04	2.86E-04	2.86E-04	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Kidder County	38043	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	1.56E-10	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Kidder County	38043	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	4.75E-08	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Kidder County	38043	R	Ethylene Oxide	8.59E-08	8.59E-08	8.59E-08	3.26E-07	3.26E-07	5.66E-07	5.66E-07	5.66E-07	0.00E+00	3.26E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Kidder County	38043	R	Formaldehyde	3.54E-01	3.54E-01	3.54E-01	3.85E-01	3.85E-01	4.17E-01	4.17E-01	4.17E-01	0.00E+00	1.13E-01	4.40E-03	1.81E-02	2.50E-01	
North Dakota	Kidder County	38043	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	9.53E-08	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Kidder County	38043	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	6.48E-10	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Kidder County	38043	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	
North Dakota	Kidder County	38043	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	
North Dakota	Kidder County	38043	R	Lead Compounds	4.14E-07	4.14E-07	4.14E-07	2.44E-06	2.44E-06	4.46E-06	4.46E-06	4.46E-06	0.00E+00	3.83E-07	0.00E+00	2.05E-06	0.00E+00	
North Dakota	Kidder County	38043	R	Manganese Compounds	3.84E-07	3.84E-07	3.84E-07	5.60E-07	5.60E-07	7.36E-07	7.36E-07	7.36E-07	0.00E+00	2.87E-07	1.46E-07	1.67E-07	0.00E+00	
North Dakota	Kidder County	38043	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	6.18E-08	9.47E-07	2.05E-06	1.50E-03	
North Dakota	Kidder County	38043	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	4.06E-04	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Kidder County	38043	R	Nickel Compounds	5.47E-07	5.47E-07	5.47E-07	8.37E-07	8.37E-07	1.13E-06	1.13E-06	1.13E-06	0.00E+00	1.79E-07	3.52E-07	3.05E-07	0.00E+00	
North Dakota	Kidder County	38043	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	9.92E-05	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Kidder County	38043	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	1.03E-06	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Kidder County	38043	R	Polycyclic Organic Matter	2.39E-03	2.39E-03	2.39E-03	3.06E-03	3.06E-03	3.72E-03	3.72E-03	3.72E-03	0.00E+00	2.75E-04	1.52E-04	1.53E-04	0.00E+00	
North Dakota	Kidder County	38043	R	7-PAH	8.17E-04	8.17E-04	8.17E-04	1.03E-03	1.03E-03	1.25E-03	1.25E-03	1.25E-03	0.00E+00	1.03E-03	1.22E-06	2.00E-06	0.00E+00	
North Dakota	Kidder County	38043	R	Propylene Dichloride	4.38E-09	4.38E-09	4.38E-09	2.77E-08	2.77E-08	5.10E-08	5.10E-08	5.10E-08	0.00E+00	2.77E-08	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Kidder County	38043	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	
North Dakota	Kidder County	38043	R	1,1,2,2-Tetrachloroethane	6.86E-10	6.86E-10	6.86E-10	1.57E-07	1.57E-07	3.13E-07	3.13E-07	3.13E-07	0.00E+00	1.57E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Kidder County	38043	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	2.62E-05	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Kidder County	38043	R	Vinyl Chloride	2.53E-09	2.53E-09	2.53E-09	3.88E-07	3.88E-07	7.73E-07	7.73E-07	7.73E-07	0.00E+00	3.88E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	R	Acetaldehyde	4.05E-02	4.05E-02	4.05E-02	4.14E-02	4.14E-02	4.22E-02	4.22E-02	4.22E-02	0.00E+00	4.61E-03	4.12E-03	3.26E-02	0.00E+00	
North Dakota	LaMoure County	38045	R	Acrolein	1.44E-03	1.44E-03	1.44E-03	1.96E-03	1.96E-03	2.49E-03	2.49E-03	2.49E-03	0.00E+00	1.01E-03	5.19E-04	4.34E-04	0.00E+00	
North Dakota	LaMoure County	38045	R	Acrylonitrile	2.58E-05	2.58E-05	2.58E-05	6.59E-05	6.59E-05	1.06E-04	1.06E-04	1.06E-04	0.00E+00	6.59E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	R	Arsenic Compounds	4.12E-06	4.12E-06	4.12E-06	4.17E-06	4.17E-06	4.22E-06	4.22E-06	4.22E-06	0.00E+00	1.45E-07	6.64E-07	3.36E-06	0.00E+00	
North Dakota	LaMoure County	38045	R	Benzene	4.93E-01	4.93E-01	4.93E-01	4.95E-01	4.95E-01	4.96E-01	4.96E-01	4.96E-01	0.00E+00	4.50E-03	6.43E-03	3.58E-03	4.80E-01	
North Dakota	LaMoure County	38045	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	
North Dakota	LaMoure County	38045	R	Beryllium Compounds	5.44E-08	5.44E-08	5.44E-08	5.71E-08	5.71E-08	5.99E-08	5.99E-08	5.99E-08	0.00E+00	4.90E-08	0.00E+00	8.08E-09	0.00E+00	
North Dakota	LaMoure County	38045	R	1,3-Butadiene	6.04E-04	6.04E-04	6.04E-04	6.90E-04	6.90E-04	7.75E-04	7.75E-04	7.75E-04	0.00E+00	5.80E-05	3.96E-04	2.36E-04	0.00E+00	
North Dakota	LaMoure County	38045	R	Cadmium Compounds	1.37E-07	1.37E-07	1.37E-07	3.03E-07	3.03E-07	4.69E-07	4.69E-07	4.69E-07	0.00E+00	2.95E-07	0.00E+00	8.02E-09	0.00E+00	
North Dakota	LaMoure County	38045	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	1.55E-05	0.00E+00	0.00E+00	4.70E-02	
North Dakota	LaMoure County	38045	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	6.47E-06	0.00E+00	0.00E+00	8.80E-01	
North Dakota	LaMoure County	38045	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	3.63E-05	0.00E+00	0.00E+00	8.30E-02	
North Dakota	LaMoure County	38045	R	Chromium Compounds (includes Hexavalent)	4.87E-07	4.87E-07	4.87E-07	5.16E-07	5.16E-07	5.46E-07	5.46E-07	5.46E-07	0.00E+00	1.04E-07	3.83E-07	2.89E-08	0.00E+00	
North Dakota	LaMoure County	38045	R	Chromium VI	1.87E-07	1.87E-07	1.87E-07	2.00E-07	2.00E-07	2.13E-07	2.13E-07	2.13E-07	0.00E+00	3.99E-08	1.51E-07	9.83E-09	0.00E+00	
North Dakota	LaMoure County	38045	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	
North Dakota	LaMoure County	38045	R	1,4-Dichlorobenzene	1.71E-04	1.71E-04	1.71E-04	1.94E-04	1.94E-04	2.18E-04	2.18E-04	2.18E-04	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	R	1,3-Dichloropropene	3.18E-04	3.18E-04	3.18E-04	3.72E-04	3.72E-04	4.26E-04	4.26E-04	4.26E-04	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	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	3.65E-08	0.00E+00	0.00E+00	7.70E-03	
North Dakota	LaMoure County	38045	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	7.90E-06	0.00E+00	0.00E+00	6.10E-02	
North Dakota	LaMoure County	38045	R	Ethylene Oxide	3.31E-07	3.31E-07	3.31E-07	2.34E-06	2.34E-06	4.35E-06	4.35E-06	4.35E-06	0.00E+00	2.34E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	R	Formaldehyde	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.01E-01	3.02E-01	3.02E-01	3.02E-01	0.00E+00	6.18E-03	3.40E-03	4.16E-02	2.50E-01	
North Dakota	LaMoure County	38045	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	1.06E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	LaMoure County	38045	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	1.10E-09	0.00E+00	0.00E+00	1.80E-03	
North Dakota	LaMoure County	38045	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	
North Dakota	LaMoure County	38045	R	Hyd														

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	LaMoure County	38045	R	Polycyclic Organic Matter	8.53E-04	8.53E-04	8.53E-04	9.46E-04	9.46E-04	1.04E-03	1.04E-03	1.04E-03	0.00E+00	7.06E-04	1.28E-04	1.13E-04	0.00E+00	
North Dakota	LaMoure County	38045	R	7-PAH	5.52E-05	5.52E-05	5.52E-05	7.18E-05	7.18E-05	8.83E-05	8.83E-05	8.83E-05	0.00E+00	7.01E-05	1.02E-06	6.82E-07	0.00E+00	
North Dakota	LaMoure County	38045	R	Propylene Dichloride	1.54E-06	1.54E-06	1.54E-06	3.97E-06	3.97E-06	6.40E-06	6.40E-06	6.40E-06	0.00E+00	3.97E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	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	
North Dakota	LaMoure County	38045	R	1,1,2,2-Tetrachloroethane	1.40E-05	1.40E-05	1.40E-05	3.62E-05	3.62E-05	5.85E-05	5.85E-05	5.85E-05	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	LaMoure County	38045	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	1.24E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	LaMoure County	38045	R	Vinyl Chloride	3.44E-05	3.44E-05	3.44E-05	8.92E-05	8.92E-05	1.44E-04	1.44E-04	1.44E-04	0.00E+00	8.92E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	R	Acetaldehyde	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	0.00E+00	1.48E-02	2.46E-03	2.24E-02	0.00E+00	
North Dakota	Logan County	38047	R	Acrolein	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	0.00E+00	2.36E-03	3.29E-04	3.46E-04	0.00E+00	
North Dakota	Logan County	38047	R	Acrylonitrile	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	5.02E-06	0.00E+00	5.02E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	R	Arsenic Compounds	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	2.51E-06	0.00E+00	9.06E-08	3.95E-07	2.02E-06	0.00E+00	
North Dakota	Logan County	38047	R	Benzene	4.93E-01	4.93E-01	4.93E-01	4.93E-01	4.93E-01	4.93E-01	4.93E-01	4.93E-01	0.00E+00	5.65E-03	3.85E-03	3.13E-03	4.80E-01	
North Dakota	Logan County	38047	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	
North Dakota	Logan County	38047	R	Beryllium Compounds	7.57E-08	7.57E-08	7.57E-08	7.57E-08	7.57E-08	7.57E-08	7.57E-08	7.57E-08	0.00E+00	2.93E-08	0.00E+00	4.64E-08	0.00E+00	
North Dakota	Logan County	38047	R	1,3-Butadiene	6.91E-04	6.91E-04	6.91E-04	6.91E-04	6.91E-04	6.91E-04	6.91E-04	6.91E-04	0.00E+00	2.78E-04	2.18E-04	1.95E-04	0.00E+00	
North Dakota	Logan County	38047	R	Cadmium Compounds	9.34E-08	9.34E-08	9.34E-08	9.34E-08	9.34E-08	9.34E-08	9.34E-08	9.34E-08	0.00E+00	4.73E-08	0.00E+00	4.60E-08	0.00E+00	
North Dakota	Logan County	38047	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	5.01E-06	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Logan County	38047	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	3.63E-06	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Logan County	38047	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	2.97E-05	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Logan County	38047	R	Chromium Compounds (includes Hexavalent)	3.17E-07	3.17E-07	3.17E-07	3.17E-07	3.17E-07	3.17E-07	3.17E-07	3.17E-07	0.00E+00	6.46E-08	2.15E-07	3.75E-08	0.00E+00	
North Dakota	Logan County	38047	R	Chromium VI	1.21E-07	1.21E-07	1.21E-07	1.21E-07	1.21E-07	1.21E-07	1.21E-07	1.21E-07	0.00E+00	2.46E-08	8.36E-08	1.27E-08	0.00E+00	
North Dakota	Logan County	38047	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	
North Dakota	Logan County	38047	R	1,4-Dichlorobenzene	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	1.13E-04	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	R	1,3-Dichloropropene	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	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	2.59E-09	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Logan County	38047	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	
North Dakota	Logan County	38047	R	Ethylene Oxide	2.11E-06	2.11E-06	2.11E-06	2.11E-06	2.11E-06	2.11E-06	2.11E-06	2.11E-06	0.00E+00	2.11E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	R	Formaldehyde	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	0.00E+00	1.75E-02	2.04E-03	2.80E-02	2.50E-01	
North Dakota	Logan County	38047	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	1.07E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Logan County	38047	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	7.01E-10	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Logan County	38047	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	
North Dakota	Logan County	38047	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	
North Dakota	Logan County	38047	R	Lead Compounds	2.82E-06	2.82E-06	2.82E-06	2.82E-06	2.82E-06	2.82E-06	2.82E-06	2.82E-06	0.00E+00	2.58E-06	0.00E+00	2.44E-07	0.00E+00	
North Dakota	Logan County	38047	R	Manganese Compounds	4.21E-07	4.21E-07	4.21E-07	4.21E-07	4.21E-07	4.21E-07	4.21E-07	4.21E-07	0.00E+00	2.01E-07	6.49E-08	1.54E-07	0.00E+00	
North Dakota	Logan County	38047	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	7.72E-08	4.64E-07	1.82E-06	1.50E-03	
North Dakota	Logan County	38047	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	4.51E-04	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Logan County	38047	R	Nickel Compounds	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	1.95E-07	1.62E-07	2.19E-07	0.00E+00	
North Dakota	Logan County	38047	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	5.94E-05	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Logan County	38047	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	1.28E-06	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Logan County	38047	R	Polycyclic Organic Matter	6.81E-04	6.81E-04	6.81E-04	6.81E-04	6.81E-04	6.81E-04	6.81E-04	6.81E-04	0.00E+00	5.26E-04	7.57E-05	7.93E-05	0.00E+00	
North Dakota	Logan County	38047	R	7-PAH	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	9.99E-05	5.71E-07	8.43E-07	0.00E+00	
North Dakota	Logan County	38047	R	Propylene Dichloride	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	2.92E-07	0.00E+00	2.92E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	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	
North Dakota	Logan County	38047	R	1,1,2,2-Tetrachloroethane	2.57E-06	2.57E-06	2.57E-06	2.57E-06	2.57E-06	2.57E-06	2.57E-06	2.57E-06	0.00E+00	2.57E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Logan County	38047	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	4.15E-05	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Logan County	38047	R	Vinyl Chloride	6.32E-06	6.32E-06	6.32E-06	6.32E-06	6.32E-06	6.32E-06	6.32E-06	6.32E-06	0.00E+00	6.32E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	McHenry County	38049	R	Acetaldehyde	3.41E-02	3.41E-02	3.41E-02	4.65E-02	4.65E-02	1.07E-01	1.07E-01	1.07E-01	0.00E+00	4.10E-02	2.78E-03	1.88E-02	0.00E+00	
North Dakota	McHenry County	38049	R	Acrolein	1.43E-02	1.43E-02	1.43E-02	1.71E-02	2.58E-02	4.62E-02	4.62E-02	4.62E-02	0.00E+00	2.52E-02	3.29E-04	3.11E-04	0.00E+00	
North Dakota	McHenry County	38049	R	Acrylonitrile	3.97E-07	3.97E-07	3.97E-07	1.07E-06	2.27E-06	5.35E-06	5.35E-06	5.35E-06	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	McHenry County	38049	R	Arsenic Compounds	1.56E-06	1.56E-06	1.56E-06	1.76E-06	1.86E-06	2.25E-06	2.25E-06	2.25E-06	0.00E+00	1.21E-07	3.54E-07	1.38E-06	0.00E+00	
North Dakota	McHenry County	38049	R	Benzene	5.14E-01	5.14E-01	5.14E-01	5.20E-01	5.36E-01	5.74E-01	5.74E-01	5.74E-01	0.00E+00	4.96E-02	4.11E-03	2.35E-03	4.80E-01	
North Dakota	McHenry County	38049	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	
North Dakota	McHenry County	38049	R	Beryllium Compounds	1.47E-07	1.47E-07	1.47E-07	3.23E-07	2.70E-07	3.40E-07	3.40E-07	3.40E-07	0.00E+00	3.79E-08	0.00E+00	2.32E-07	0.00E+00	
North Dakota	McHenry County	38049	R	1,3-Butadiene	5.69E-03	5.69E-03	5.69E-03	6.19E-03	9.78E-03	1.75E-02	1.75E-02	1.75E-02	0.00E+00	9.36E-03	2.56E-04	1.73E-04	0.00E+00	
North Dakota	McHenry County	38049	R	Cadmium Compounds	1.76E-07	1.76E-07	1.76E-07	3.42E-07	2.97E-07	3.73E-07	3.73E-07	3.73E-07	0.00E+00	6.57E-08	0.00E+00	2.31E-07	0.00E+00	
North Dakota	McHenry County	38049	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	9.27E-06	0.00E+00	0.00E+00	4.70E-02	
North Dakota	McHenry County	38049	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8											

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	McHenry County	38049	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	2.06E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	McHenry County	38049	R	Ethylene Oxide	4.47E-06	4.47E-06	4.47E-06	6.71E-06	6.19E-06	7.39E-06	7.39E-06	7.39E-06	0.00E+00	6.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	R	Formaldehyde	3.41E-01	3.41E-01	3.41E-01	3.61E-01	4.09E-01	5.26E-01	5.26E-01	5.26E-01	0.00E+00	1.34E-01	2.31E-03	2.30E-02	2.50E-01	2.50E-01	
North Dakota	McHenry County	38049	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	5.32E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05	
North Dakota	McHenry County	38049	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	1.45E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03	
North Dakota	McHenry County	38049	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
North Dakota	McHenry County	38049	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
North Dakota	McHenry County	38049	R	Lead Compounds	2.24E-06	2.24E-06	2.24E-06	9.14E-06	8.14E-06	1.30E-05	1.30E-05	1.30E-05	0.00E+00	1.65E-06	0.00E+00	6.49E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	R	Manganese Compounds	3.71E-07	3.71E-07	3.71E-07	4.15E-07	4.54E-07	5.75E-07	5.75E-07	5.75E-07	0.00E+00	2.66E-07	6.65E-08	1.21E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	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	1.41E-07	4.13E-07	1.46E-06	1.50E-03	1.50E-03	
North Dakota	McHenry County	38049	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	7.23E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01	
North Dakota	McHenry County	38049	R	Nickel Compounds	5.37E-07	5.37E-07	5.37E-07	6.38E-07	7.16E-07	9.72E-07	9.72E-07	9.72E-07	0.00E+00	3.58E-07	1.59E-07	1.99E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	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	2.53E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01	1.40E-01
North Dakota	McHenry County	38049	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.33E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04	3.80E-04
North Dakota	McHenry County	38049	R	Polycyclic Organic Matter	1.66E-03	1.66E-03	1.66E-03	2.04E-03	2.74E-03	4.53E-03	4.53E-03	4.53E-03	0.00E+00	2.58E-03	7.08E-05	8.95E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	R	7-PAH	5.33E-04	5.33E-04	5.33E-04	6.00E-04	9.38E-04	1.68E-03	1.68E-03	1.68E-03	0.00E+00	9.36E-04	5.45E-07	8.61E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	R	Propylene Dichloride	1.26E-08	1.26E-08	1.26E-08	3.17E-08	1.13E-07	2.94E-07	2.94E-07	2.94E-07	0.00E+00	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	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
North Dakota	McHenry County	38049	R	1,1,2,2-Tetrachloroethane	4.96E-09	4.96E-09	4.96E-09	1.65E-08	8.16E-07	2.43E-06	2.43E-06	2.43E-06	0.00E+00	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McHenry County	38049	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.11E-02	8.11E-02	8.11E-02	8.11E-02	0.00E+00	8.11E-02	6.85E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	McHenry County	38049	R	Vinyl Chloride	1.83E-08	1.83E-08	1.83E-08	4.28E-08	2.01E-06	5.98E-06	5.98E-06	5.98E-06	0.00E+00	2.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Acetaldehyde	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	0.00E+00	1.74E-02	2.93E-03	2.29E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Acrolein	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	0.00E+00	1.32E-03	3.17E-04	3.27E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Acrylonitrile	6.52E-06	6.52E-06	6.52E-06	6.52E-06	6.52E-06	6.52E-06	6.52E-06	6.52E-06	0.00E+00	6.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Arsenic Compounds	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06	2.61E-06	0.00E+00	1.02E-07	4.23E-07	2.08E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Benzene	4.94E-01	4.94E-01	4.94E-01	4.94E-01	4.94E-01	4.94E-01	4.94E-01	4.94E-01	0.00E+00	6.61E-03	4.15E-03	3.13E-03	4.80E-01	4.80E-01	4.80E-01
North Dakota	McIntosh County	38051	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
North Dakota	McIntosh County	38051	R	Beryllium Compounds	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	3.39E-08	0.00E+00	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	1,3-Butadiene	5.41E-04	5.41E-04	5.41E-04	5.41E-04	5.41E-04	5.41E-04	5.41E-04	5.41E-04	0.00E+00	7.43E-05	2.77E-04	1.90E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Cadmium Compounds	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	0.00E+00	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	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	6.01E-06	0.00E+00	0.00E+00	0.00E+00	4.70E-02	4.70E-02
North Dakota	McIntosh County	38051	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	4.02E-06	0.00E+00	0.00E+00	0.00E+00	8.80E-01	8.80E-01
North Dakota	McIntosh County	38051	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	9.55E-06	0.00E+00	0.00E+00	0.00E+00	8.30E-02	8.30E-02
North Dakota	McIntosh County	38051	R	Chromium Compounds (includes Hexavalent)	3.29E-07	3.29E-07	3.29E-07	3.29E-07	3.29E-07	3.29E-07	3.29E-07	3.29E-07	0.00E+00	7.20E-08	2.32E-07	2.49E-08	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Chromium VI	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	0.00E+00	2.83E-08	9.02E-08	8.47E-09	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	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
North Dakota	McIntosh County	38051	R	1,4-Dichlorobenzene	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	1,3-Dichloropropene	2.71E-04	2.71E-04	2.71E-04	2.71E-04	2.71E-04	2.71E-04	2.71E-04	2.71E-04	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	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	3.39E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03	7.70E-03
North Dakota	McIntosh County	38051	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	7.45E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02	6.10E-02
North Dakota	McIntosh County	38051	R	Ethylene Oxide	1.05E-05	1.05E-05	1.05E-05	1.05E-05	1.05E-05	1.05E-05	1.05E-05	1.05E-05	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Formaldehyde	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01	0.00E+00	1.59E-02	2.29E-03	2.82E-02	2.50E-01	2.50E-01	2.50E-01
North Dakota	McIntosh County	38051	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	9.30E-05
North Dakota	McIntosh County	38051	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	8.32E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-03	1.80E-03
North Dakota	McIntosh County	38051	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
North Dakota	McIntosh County	38051	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
North Dakota	McIntosh County	38051	R	Lead Compounds	3.32E-06	3.32E-06	3.32E-06	3.32E-06	3.32E-06	3.32E-06	3.32E-06	3.32E-06	0.00E+00	3.28E-06	0.00E+00	4.01E-08	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	R	Manganese Compounds	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	4.62E-07	0.00E+00	2.31E-07	7.60E-08	1.55E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	McIntosh County	38051	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	8.31E-07	4.97E-07	1.81E-06	1.50E-03	1.50E-03	1.50E-03
North Dakota	McIntosh County	38051	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	5.59E-04	0.00E+00	0.00E+00	1.50E-01	1.50E-01	1.50E-01
North Dakota	McIntosh County	38051	R	Nickel Compounds	7.77E-07	7.77E-07	7.77E-07	7.77E-07											

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	McKenzie County	38053	R	Benzene	7.34E-01	7.34E-01	8.28E-01	1.24E+00	1.25E+00	1.67E+00	1.78E+00	1.78E+00	9.62E-05	7.42E-01	2.03E-02	5.22E-03	4.80E-01
North Dakota	McKenzie County	38053	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
North Dakota	McKenzie County	38053	R	Beryllium Compounds	4.35E-08	4.35E-08	5.24E-08	7.26E-08	1.89E-07	3.26E-07	5.67E-07	5.67E-07	0.00E+00	1.75E-07	0.00E+00	1.41E-08	0.00E+00
North Dakota	McKenzie County	38053	R	1,3-Butadiene	3.75E-02	3.75E-02	4.14E-02	1.23E-01	1.23E-01	2.04E-01	2.08E-01	2.08E-01	0.00E+00	1.20E-01	1.93E-03	3.69E-04	0.00E+00
North Dakota	McKenzie County	38053	R	Cadmium Compounds	1.28E-07	1.28E-07	1.44E-07	1.70E-07	5.81E-07	1.02E-06	1.86E-06	1.86E-06	0.00E+00	5.67E-07	0.00E+00	1.39E-08	0.00E+00
North Dakota	McKenzie County	38053	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	6.08E-05	0.00E+00	0.00E+00	4.70E-02
North Dakota	McKenzie County	38053	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	2.01E-05	0.00E+00	0.00E+00	8.80E-01
North Dakota	McKenzie County	38053	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.32E-02	8.32E-02	8.34E-02	8.34E-02	8.34E-02	0.00E+00	2.03E-04	0.00E+00	0.00E+00	8.30E-02
North Dakota	McKenzie County	38053	R	Chromium Compounds (includes Hexavalent)	3.56E-07	3.56E-07	4.06E-07	5.65E-07	1.66E-06	2.91E-06	5.16E-06	5.16E-06	0.00E+00	3.54E-07	1.25E-06	5.70E-08	0.00E+00
North Dakota	McKenzie County	38053	R	Chromium VI	1.37E-07	1.37E-07	1.64E-07	2.25E-07	6.52E-07	1.14E-06	2.02E-06	2.02E-06	0.00E+00	1.53E-07	4.80E-07	1.94E-08	0.00E+00
North Dakota	McKenzie County	38053	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
North Dakota	McKenzie County	38053	R	1,4-Dichlorobenzene	1.37E-04	1.37E-04	1.71E-04	2.36E-04	7.84E-04	1.40E-03	2.53E-03	2.53E-03	0.00E+00	7.84E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	McKenzie County	38053	R	1,3-Dichloropropene	2.68E-04	2.68E-04	3.22E-04	4.57E-04	1.58E-03	2.83E-03	5.12E-03	5.12E-03	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	McKenzie County	38053	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	9.28E-09	0.00E+00	0.00E+00	7.70E-03
North Dakota	McKenzie County	38053	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	2.08E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	McKenzie County	38053	R	Ethylene Oxide	1.94E-06	1.94E-06	3.63E-06	7.08E-06	4.58E-05	8.79E-05	1.67E-04	1.67E-04	0.00E+00	4.58E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	McKenzie County	38053	R	Formaldehyde	8.01E-01	8.01E-01	1.01E+00	1.82E+00	1.94E+00	2.87E+00	3.32E+00	3.32E+00	2.81E-03	1.67E+00	9.42E-03	1.27E-02	2.50E-01
North Dakota	McKenzie County	38053	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.32E-05	9.33E-05	9.36E-05	9.36E-05	0.00E+00	1.87E-07	0.00E+00	0.00E+00	9.30E-05
North Dakota	McKenzie County	38053	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	9.37E-09	0.00E+00	0.00E+00	1.80E-03
North Dakota	McKenzie County	38053	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
North Dakota	McKenzie County	38053	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
North Dakota	McKenzie County	38053	R	Lead Compounds	1.15E-06	1.15E-06	1.93E-06	2.13E-05	2.79E-05	5.39E-05	6.79E-05	6.79E-05	2.08E-07	1.86E-05	0.00E+00	9.15E-06	0.00E+00
North Dakota	McKenzie County	38053	R	Manganese Compounds	4.18E-07	4.18E-07	4.76E-07	7.57E-07	1.36E-06	2.24E-06	3.87E-06	3.87E-06	0.00E+00	8.65E-07	3.90E-07	1.12E-07	0.00E+00
North Dakota	McKenzie County	38053	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	9.47E-12	3.59E-06	2.73E-06	1.17E-06	1.50E-03
North Dakota	McKenzie County	38053	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.55E-01	1.60E-01	1.69E-01	1.69E-01	0.00E+00	5.26E-03	0.00E+00	0.00E+00	1.50E-01
North Dakota	McKenzie County	38053	R	Nickel Compounds	7.27E-07	7.27E-07	7.95E-07	8.69E-07	3.68E-06	6.57E-06	1.23E-05	1.23E-05	0.00E+00	2.56E-06	9.60E-07	1.66E-07	0.00E+00
North Dakota	McKenzie County	38053	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.46E-01	1.52E-01	1.62E-01	1.62E-01	0.00E+00	5.98E-03	0.00E+00	0.00E+00	1.40E-01
North Dakota	McKenzie County	38053	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.99E-04	4.17E-04	4.52E-04	4.52E-04	0.00E+00	1.93E-05	0.00E+00	0.00E+00	3.80E-04
North Dakota	McKenzie County	38053	R	Polycyclic Organic Matter	1.32E-02	1.32E-02	1.82E-02	3.98E-02	4.04E-02	6.26E-02	6.88E-02	6.88E-02	5.61E-06	3.99E-02	4.13E-04	7.91E-05	0.00E+00
North Dakota	McKenzie County	38053	R	7-PAH	5.26E-03	5.26E-03	7.39E-03	1.53E-02	1.61E-02	2.49E-02	2.86E-02	2.86E-02	0.00E+00	1.61E-02	3.23E-06	1.24E-06	0.00E+00
North Dakota	McKenzie County	38053	R	Propylene Dichloride	1.62E-07	1.62E-07	1.63E-07	5.18E-07	1.16E-06	2.16E-06	3.44E-06	3.44E-06	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	McKenzie County	38053	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
North Dakota	McKenzie County	38053	R	1,1,2,2-Tetrachloroethane	1.29E-06	1.29E-06	1.35E-06	4.61E-06	9.22E-06	1.71E-05	2.64E-05	2.64E-05	0.00E+00	9.22E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	McKenzie County	38053	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.14E-02	8.18E-02	8.25E-02	8.25E-02	0.00E+00	4.20E-04	0.00E+00	0.00E+00	8.10E-02
North Dakota	McKenzie County	38053	R	Vinyl Chloride	3.17E-06	3.17E-06	3.32E-06	1.13E-05	2.27E-05	4.22E-05	6.51E-05	6.51E-05	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	Acetaldehyde	4.84E-02	4.84E-02	5.98E-02	9.85E-02	9.86E-02	1.37E-01	1.49E-01	1.49E-01	0.00E+00	7.78E-02	6.26E-03	1.45E-02	0.00E+00
North Dakota	McLean County	38055	R	Acrolein	1.67E-02	1.67E-02	2.21E-02	3.20E-02	4.32E-02	6.43E-02	9.21E-02	9.21E-02	0.00E+00	4.21E-02	6.84E-04	4.13E-04	0.00E+00
North Dakota	McLean County	38055	R	Acrylonitrile	9.75E-07	9.75E-07	1.39E-05	2.72E-05	5.01E-05	8.63E-05	1.45E-04	1.45E-04	0.00E+00	5.01E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	Arsenic Compounds	1.79E-05	1.79E-05	3.67E-05	5.98E-05	5.60E-05	7.54E-05	8.66E-05	8.66E-05	5.24E-05	3.13E-07	1.44E-06	1.84E-06	0.00E+00
North Dakota	McLean County	38055	R	Benzene	5.14E-01	5.14E-01	5.28E-01	5.60E-01	5.71E-01	6.14E-01	6.52E-01	6.52E-01	5.10E-05	7.14E-02	1.42E-02	5.75E-03	4.80E-01
North Dakota	McLean County	38055	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
North Dakota	McLean County	38055	R	Beryllium Compounds	2.79E-08	2.79E-08	3.50E-08	6.47E-08	1.18E-07	2.02E-07	3.16E-07	3.16E-07	0.00E+00	1.09E-07	0.00E+00	9.54E-09	0.00E+00
North Dakota	McLean County	38055	R	1,3-Butadiene	2.39E-03	2.39E-03	2.43E-03	5.09E-03	8.14E-03	1.39E-02	2.00E-02	2.00E-02	0.00E+00	6.42E-03	1.35E-03	3.69E-04	0.00E+00
North Dakota	McLean County	38055	R	Cadmium Compounds	9.10E-08	9.10E-08	1.15E-07	1.52E-07	3.03E-07	4.90E-07	8.15E-07	8.15E-07	0.00E+00	2.93E-07	0.00E+00	9.49E-09	0.00E+00
North Dakota	McLean County	38055	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	2.37E-05	0.00E+00	0.00E+00	4.70E-02
North Dakota	McLean County	38055	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	9.63E-06	0.00E+00	0.00E+00	8.80E-01
North Dakota	McLean County	38055	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	0.00E+00	5.67E-05	0.00E+00	0.00E+00	8.30E-02
North Dakota	McLean County	38055	R	Chromium Compounds (includes Hexavalent)	9.74E-06	9.74E-06	1.80E-05	2.73E-05	2.46E-05	3.12E-05	3.40E-05	3.40E-05	2.35E-05	2.20E-07	8.07E-07	4.99E-08	0.00E+00
North Dakota	McLean County	38055	R	Chromium VI	1.15E-06	1.15E-06	2.05E-06	3.45E-06	3.01E-06	3.98E-06	4.00E-06	4.00E-06	2.59E-06	8.67E-08	3.23E-07	1.70E-08	0.00E+00
North Dakota	McLean County	38055	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
North Dakota	McLean County	38055	R	1,4-Dichlorobenzene	9.41E-05	9.41E-05	1.07E-04	2.15E-04	5.48E-04	9.88E-04	1.67E-03	1.67E-03	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	1,3-Dichloropropene	1.81E-04	1.81E-04	2.06E-04	4.09E-04	1.10E-03	1.99E-03	3.39E-03	3.39E-03	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	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	2.71E-08	0.00E+00	0.00E+00	7.70E-03
North Dakota	McLean County	38055	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	5.91E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	McLean County	38055	R	Ethylene Oxide	1.98E-06	1.98E-06	3.21E-06	5.21E-06	8.54E-06	1.39E-05	2.18E-05	2.18E-05	0.00E+00	8.54E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	Formaldehyde	3.49E-01	3.49E-01	3.98E-01	4.52E-01	4.52E-01	4.92E-01	7.17E-01	7.17E-01	0.00E+00	2.18E-01	6.90E-03	1.68E-02	2.50E-01
North Dakota	McLean County	38055	R	Hexachlorob													

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 Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	McLean County	38055	R	Nickel Compounds	1.44E-05	1.44E-05	1.78E-05	3.04E-05	3.01E-05	4.24E-05	4.51E-05	4.51E-05	2.70E-05	2.25E-06	6.11E-07	2.09E-07	0.00E+00	1.40E-01
North Dakota	McLean County	38055	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.41E-01	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	McLean County	38055	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.81E-04	3.82E-04	3.85E-04	3.89E-04	3.95E-04	3.95E-04	0.00E+00	4.93E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	McLean County	38055	R	Polycyclic Organic Matter	1.70E-03	1.70E-03	2.98E-03	4.52E-03	4.98E-03	6.98E-03	9.18E-03	9.18E-03	3.98E-04	4.23E-03	2.63E-04	8.46E-05	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	7-PAH	5.61E-04	5.61E-04	7.49E-04	1.07E-03	1.53E-03	2.30E-03	3.41E-03	3.41E-03	0.00E+00	1.52E-03	2.13E-06	1.14E-06	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	Propylene Dichloride	5.02E-08	5.02E-08	7.69E-07	1.57E-06	2.98E-06	5.20E-06	8.74E-06	8.74E-06	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	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
North Dakota	McLean County	38055	R	1,1,2,2-Tetrachloroethane	3.83E-07	3.83E-07	6.42E-06	1.38E-05	2.69E-05	4.74E-05	7.98E-05	7.98E-05	0.00E+00	2.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	McLean County	38055	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.12E-02	8.13E-02	8.13E-02	8.13E-02	0.00E+00	1.55E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	McLean County	38055	R	Vinyl Chloride	9.45E-07	9.45E-07	1.58E-05	3.39E-05	6.63E-05	1.17E-04	1.96E-04	1.96E-04	0.00E+00	6.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Acetaldehyde	2.07E-02	2.07E-02	1.21E-01	5.00E-01	5.49E-01	1.03E+00	1.08E+00	1.08E+00	0.00E+00	5.27E-01	9.58E-03	1.28E-02	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Acrolein	2.83E-02	2.83E-02	7.23E-02	1.72E-01	1.71E-01	2.83E-01	3.01E-01	3.01E-01	0.00E+00	1.69E-01	1.19E-03	5.44E-04	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Acrylonitrile	3.15E-06	3.15E-06	1.24E-05	3.41E-05	6.03E-05	4.59E-05	2.06E-04	2.06E-04	0.00E+00	6.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Arsenic Compounds	2.89E-04	2.89E-04	3.10E-04	3.57E-04	4.23E-04	4.99E-04	6.60E-04	6.60E-04	4.17E-04	1.26E-06	2.23E-06	2.27E-06	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Benzene	5.35E-01	5.35E-01	5.98E-01	8.29E-01	8.14E-01	1.01E+00	1.10E+00	1.10E+00	6.04E-04	3.04E-01	2.18E-02	8.08E-03	4.80E-01	0.00E+00
North Dakota	Mercer County	38057	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
North Dakota	Mercer County	38057	U	Beryllium Compounds	3.36E-08	3.36E-08	1.05E-07	1.47E-07	5.13E-07	9.82E-07	1.30E-06	1.30E-06	0.00E+00	4.37E-07	0.00E+00	7.64E-08	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	1,3-Butadiene	2.37E-03	2.37E-03	4.81E-03	4.67E-02	5.05E-02	9.58E-02	1.03E-01	1.03E-01	0.00E+00	4.80E-02	1.90E-03	6.02E-04	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Cadmium Compounds	8.14E-08	8.14E-08	2.15E-07	2.26E-07	7.84E-07	1.34E-06	2.06E-06	2.06E-06	0.00E+00	7.08E-07	0.00E+00	7.62E-08	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	7.83E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Dakota	Mercer County	38057	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	3.20E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Mercer County	38057	U	Chloroform	8.31E-02	8.31E-02	8.32E-02	8.35E-02	8.46E-02	8.63E-02	8.72E-02	8.72E-02	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Mercer County	38057	U	Chromium Compounds (includes Hexavalent)	6.52E-05	6.52E-05	1.18E-04	1.35E-04	1.41E-04	1.89E-04	1.97E-04	1.97E-04	1.39E-04	8.66E-07	1.24E-06	9.57E-08	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Chromium VI	7.25E-06	7.25E-06	1.31E-05	1.50E-05	1.61E-05	2.23E-05	2.29E-05	2.29E-05	1.52E-05	3.62E-07	4.89E-07	3.25E-08	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	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
North Dakota	Mercer County	38057	U	1,4-Dichlorobenzene	1.36E-04	1.36E-04	3.23E-04	4.08E-04	4.17E-03	3.32E-03	4.36E-03	4.36E-03	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	1,3-Dichloropropene	2.62E-04	2.62E-04	6.26E-04	7.97E-04	3.45E-03	6.71E-03	8.88E-03	8.88E-03	0.00E+00	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	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	3.02E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Mercer County	38057	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	6.62E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Mercer County	38057	U	Ethylene Oxide	3.14E-06	3.14E-06	5.71E-06	1.09E-05	8.46E-05	4.90E-05	3.54E-04	3.54E-04	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Formaldehyde	3.43E-01	3.43E-01	5.62E-01	1.27E+00	1.39E+00	2.20E+00	2.57E+00	2.57E+00	0.00E+00	1.11E+00	1.02E-02	1.56E-02	2.50E-01	0.00E+00
North Dakota	Mercer County	38057	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Mercer County	38057	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	1.14E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Mercer County	38057	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
North Dakota	Mercer County	38057	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
North Dakota	Mercer County	38057	U	Lead Compounds	7.65E-05	7.65E-05	1.42E-04	1.56E-04	1.81E-04	2.64E-04	2.65E-04	2.65E-04	1.62E-04	1.81E-05	0.00E+00	3.80E-07	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Manganese Compounds	9.66E-05	9.66E-05	2.12E-04	5.39E-04	4.25E-04	6.06E-04	6.74E-04	6.74E-04	4.23E-04	2.14E-06	3.91E-07	1.87E-07	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Mercury Compounds	1.54E-03	1.54E-03	1.56E-03	1.56E-03	1.60E-03	1.56E-03	1.77E-03	1.77E-03	9.11E-05	2.16E-06	2.54E-06	2.02E-06	1.50E-03	0.00E+00
North Dakota	Mercer County	38057	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.57E-01	1.65E-01	1.68E-01	1.68E-01	0.00E+00	7.16E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Mercer County	38057	U	Nickel Compounds	5.20E-05	5.20E-05	1.09E-04	1.33E-04	1.42E-04	2.08E-04	2.10E-04	2.10E-04	1.27E-04	1.41E-05	9.42E-07	2.82E-07	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Dakota	Mercer County	38057	U	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.82E-04	3.82E-04	3.87E-04	3.93E-04	3.98E-04	3.98E-04	0.00E+00	7.01E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Mercer County	38057	U	Polycyclic Organic Matter	6.73E-03	6.73E-03	1.01E-02	2.66E-02	2.27E-02	3.16E-02	3.88E-02	3.88E-02	4.72E-03	1.75E-02	4.30E-04	1.28E-04	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	7-PAH	9.21E-04	9.21E-04	2.37E-03	6.50E-03	6.66E-03	1.15E-02	1.21E-02	1.21E-02	0.00E+00	6.66E-03	3.18E-06	1.72E-06	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Propylene Dichloride	1.78E-07	1.78E-07	7.03E-07	2.03E-06	3.46E-06	2.27E-06	1.21E-05	1.21E-05	0.00E+00	3.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	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
North Dakota	Mercer County	38057	U	1,1,2,2-Tetrachloroethane	1.51E-06	1.51E-06	6.02E-06	1.65E-05	3.00E-05	1.84E-05	1.08E-04	1.08E-04	0.00E+00	3.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mercer County	38057	U	Trichloroethylene	8.10E-02	8.10E-02	8.11E-02	8.11E-02	8.16E-02	8.22E-02	8.24E-02	8.24E-02	0.00E+00	5.57E-04	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Mercer County	38057	U	Vinyl Chloride	3.72E-06	3.72E-06	1.48E-05	4.06E-05	7.38E-05	4.52E-05	2.65E-04	2.65E-04	0.00E+00	7.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	Acetaldehyde	1.16E-01	1.16E-01	4.38E-01	6.26E-01	6.17E-01	7.57E-01	1.15E+00	1.15E+00	3.31E-05	5.26E-01	5.65E-02	3.43E-02	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	Acrolein	5.08E-02	5.08E-02	5.18E-01	7.15E-01	6.60E-01	8.65E-01	1.15E+00	1.15E+00	7.64E-05	6.49E-01	8.81E-03	2.00E-03	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	Acrylonitrile	4.75E-06	4.75E-06	1.71E-05	5.24E-05	2.47E-04	6.27E-05	1.10E-03	1.10E-03	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	Arsenic Compounds	2.29E-05	2.29E-05	4.24E-05	5.79E-05	6.28E-05	8.32E-05	1.08E-04	1.08E-04	3.99E-05	4.91E-06	1.07E-05	7.29E-06	0.00E+00	0.00

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	Morton County	38059	U	1,4-Dichlorobenzene	2.19E-04	2.19E-04	1.07E-03	6.58E-03	8.72E-03	7.59E-03	2.81E-02	2.81E-02	0.00E+00	8.72E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	1,3-Dichloropropene	4.34E-04	4.34E-04	2.04E-03	1.32E-02	1.76E-02	1.53E-02	5.71E-02	5.71E-02	0.00E+00	1.76E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	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	7.70E-03	0.00E+00	0.00E+00	7.70E-03
North Dakota	Morton County	38059	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	0.00E+00	2.67E-05	0.00E+00	0.00E+00	6.10E-02
North Dakota	Morton County	38059	U	Ethylene Oxide	1.73E-06	1.73E-06	4.36E-05	1.29E-04	2.15E-04	3.63E-04	5.41E-04	5.41E-04	0.00E+00	2.15E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	Formaldehyde	5.11E-01	5.11E-01	2.48E+00	3.35E+00	3.26E+00	4.13E+00	5.84E+00	5.84E+00	3.75E-04	2.90E+00	6.24E-02	4.69E-02	2.50E-01
North Dakota	Morton County	38059	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	9.37E-05	9.37E-05	0.00E+00	2.60E-07	0.00E+00	0.00E+00	9.30E-05
North Dakota	Morton County	38059	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	6.10E-08	0.00E+00	0.00E+00	1.80E-03
North Dakota	Morton County	38059	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
North Dakota	Morton County	38059	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
North Dakota	Morton County	38059	U	Lead Compounds	4.25E-05	4.25E-05	2.18E-04	3.69E-04	3.21E-04	4.55E-04	5.19E-04	5.19E-04	6.24E-05	5.02E-05	0.00E+00	2.08E-04	0.00E+00
North Dakota	Morton County	38059	U	Manganese Compounds	4.58E-05	4.58E-05	5.24E-05	1.10E-04	1.25E-04	1.44E-04	2.73E-04	2.73E-04	9.57E-05	2.60E-05	2.62E-06	6.66E-07	0.00E+00
North Dakota	Morton County	38059	U	Mercury Compounds	1.51E-03	1.51E-03	1.53E-03	1.58E-03	1.58E-03	1.64E-03	1.65E-03	1.65E-03	1.06E-05	5.25E-05	1.06E-05	7.16E-06	1.50E-03
North Dakota	Morton County	38059	U	Methylene Chloride	1.51E-01	1.51E-01	1.53E-01	1.75E-01	1.86E-01	1.77E-01	2.74E-01	2.74E-01	4.63E-06	3.70E-02	0.00E+00	0.00E+00	1.50E-01
North Dakota	Morton County	38059	U	Nickel Compounds	2.84E-05	2.84E-05	5.14E-05	1.47E-04	1.68E-04	2.49E-04	3.66E-04	3.66E-04	1.23E-04	3.77E-05	6.37E-06	1.11E-06	0.00E+00
North Dakota	Morton County	38059	U	Perchloroethylene	1.40E-01	1.40E-01	1.42E-01	1.50E-01	1.56E-01	1.69E-01	1.81E-01	1.81E-01	9.51E-03	6.96E-03	0.00E+00	0.00E+00	1.40E-01
North Dakota	Morton County	38059	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.99E-04	4.04E-04	4.02E-04	4.57E-04	4.57E-04	2.30E-08	2.40E-05	0.00E+00	0.00E+00	3.80E-04
North Dakota	Morton County	38059	U	Polycyclic Organic Matter	4.77E-03	4.77E-03	5.08E-02	1.06E-01	8.89E-02	1.06E-01	1.77E-01	1.77E-01	7.16E-03	7.82E-02	2.77E-03	7.18E-04	0.00E+00
North Dakota	Morton County	38059	U	7-PAH	1.64E-03	1.64E-03	1.99E-02	2.87E-02	2.78E-02	3.69E-02	5.18E-02	5.18E-02	2.43E-06	2.78E-02	1.85E-05	6.15E-06	0.00E+00
North Dakota	Morton County	38059	U	Propylene Dichloride	2.67E-07	2.67E-07	9.47E-07	2.42E-06	1.39E-05	3.09E-06	6.27E-05	6.27E-05	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	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
North Dakota	Morton County	38059	U	1,1,2,2-Tetrachloroethane	2.27E-06	2.27E-06	7.90E-06	1.56E-05	1.18E-04	2.22E-05	5.42E-04	5.42E-04	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Morton County	38059	U	Trichloroethylene	8.11E-02	8.11E-02	8.14E-02	8.38E-02	8.52E-02	8.41E-02	9.55E-02	9.55E-02	0.00E+00	4.15E-03	0.00E+00	0.00E+00	8.10E-02
North Dakota	Morton County	38059	U	Vinyl Chloride	5.60E-06	5.60E-06	1.95E-05	3.86E-05	2.91E-04	5.49E-05	1.34E-03	1.34E-03	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mountrail County	38061	R	Acetaldehyde	2.98E-02	2.98E-02	3.07E-02	4.52E-02	5.89E-02	8.72E-02	1.16E-01	1.16E-01	0.00E+00	3.65E-02	6.92E-03	1.55E-02	0.00E+00
North Dakota	Mountrail County	38061	R	Acrolein	2.14E-02	2.14E-02	2.15E-02	2.35E-02	3.35E-02	4.54E-02	6.54E-02	6.54E-02	0.00E+00	3.32E-02	6.64E-04	5.06E-04	0.00E+00
North Dakota	Mountrail County	38061	R	Acrylonitrile	2.02E-06	2.02E-06	2.53E-06	3.12E-06	5.44E-06	8.35E-06	1.35E-05	1.35E-05	0.00E+00	5.44E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mountrail County	38061	R	Arsenic Compounds	1.36E-06	1.36E-06	1.40E-06	1.71E-06	2.94E-06	4.48E-06	6.97E-06	6.97E-06	0.00E+00	1.49E-07	1.34E-06	1.45E-06	0.00E+00
North Dakota	Mountrail County	38061	R	Benzene	5.21E-01	5.21E-01	5.26E-01	5.49E-01	5.57E-01	5.87E-01	6.09E-01	6.09E-01	0.00E+00	5.63E-02	1.24E-02	8.11E-03	4.80E-01
North Dakota	Mountrail County	38061	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
North Dakota	Mountrail County	38061	R	Beryllium Compounds	1.29E-07	1.29E-07	1.36E-07	1.82E-07	2.49E-07	3.62E-07	5.03E-07	5.03E-07	0.00E+00	8.26E-08	0.00E+00	1.66E-07	0.00E+00
North Dakota	Mountrail County	38061	R	1,3-Butadiene	1.87E-03	1.87E-03	1.99E-03	3.95E-03	8.53E-03	1.51E-02	2.44E-02	2.44E-02	0.00E+00	6.95E-03	1.11E-03	4.74E-04	0.00E+00
North Dakota	Mountrail County	38061	R	Cadmium Compounds	1.87E-07	1.87E-07	1.97E-07	3.99E-07	4.17E-07	6.38E-07	6.84E-07	6.84E-07	0.00E+00	2.52E-07	0.00E+00	1.66E-07	0.00E+00
North Dakota	Mountrail County	38061	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	8.85E-06	0.00E+00	0.00E+00	4.70E-02
North Dakota	Mountrail County	38061	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	5.55E-06	0.00E+00	0.00E+00	8.80E-01
North Dakota	Mountrail County	38061	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	1.86E-05	0.00E+00	0.00E+00	8.30E-02
North Dakota	Mountrail County	38061	R	Chromium Compounds (includes Hexavalent)	2.69E-07	2.69E-07	3.23E-07	4.03E-07	9.84E-07	1.65E-06	2.86E-06	2.86E-06	0.00E+00	1.10E-07	7.66E-07	1.08E-07	0.00E+00
North Dakota	Mountrail County	38061	R	Chromium VI	1.04E-07	1.04E-07	1.26E-07	1.57E-07	3.90E-07	6.55E-07	1.14E-06	1.14E-06	0.00E+00	4.23E-08	3.11E-07	3.67E-08	0.00E+00
North Dakota	Mountrail County	38061	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
North Dakota	Mountrail County	38061	R	1,4-Dichlorobenzene	9.47E-05	9.47E-05	1.02E-04	1.36E-04	4.54E-04	8.05E-04	1.45E-03	1.45E-03	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mountrail County	38061	R	1,3-Dichloropropene	1.83E-04	1.83E-04	1.99E-04	2.70E-04	9.18E-04	1.64E-03	2.95E-03	2.95E-03	0.00E+00	9.18E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mountrail County	38061	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	2.63E-09	0.00E+00	0.00E+00	7.70E-03
North Dakota	Mountrail County	38061	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	5.96E-07	0.00E+00	0.00E+00	6.10E-02
North Dakota	Mountrail County	38061	R	Ethylene Oxide	1.50E-06	1.50E-06	1.76E-06	2.08E-06	2.20E-06	2.64E-06	3.14E-06	3.14E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Mountrail County	38061	R	Formaldehyde	3.38E-01	3.38E-01	3.41E-01	3.51E-01	4.06E-01	4.71E-01	5.84E-01	5.84E-01	0.00E+00	1.33E-01	6.42E-03	1.72E-02	2.50E-01
North Dakota	Mountrail County	38061	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	6.73E-08	0.00E+00	0.00E+00	9.30E-05
North Dakota	Mountrail County	38061	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.32E-09	0.00E+00	0.00E+00	1.80E-03
North Dakota	Mountrail County	38061	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
North Dakota	Mountrail County	38061	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
North Dakota	Mountrail County	38061	R	Lead Compounds	2.82E-06	2.82E-06	3.18E-06	4.93E-06	4.86E-06	6.54E-06	6.76E-06	6.76E-06	0.00E+00	3.87E-06	0.00E+00	9.84E-07	0.00E+00
North Dakota	Mountrail County	38061	R	Manganese Compounds	2.74E-07	2.74E-07	2.80E-07	3.33E-07	6.12E-07	9.44E-07	1.51E-06	1.51E-06	0.00E+00	2.42E-07	2.36E-07	1.34E-07	0.00E+00
North Dakota	Mountrail County	38061	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	1.80E-06	1.59E-06	1.39E-06	1.50E-03
North Dakota	Mountrail County	38061	R	Methylene Chloride	1.50E-01	1.50E-01	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.52E-01	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.50E-01
North Dakota	Mountrail County	38061	R	Nickel Compounds	3.83E-07	3.83E-07	5.96E-07	8.47E-07	1.31E-06	2.03E-06	3.17E-06	3.17E-06	0.00E+00	5.14E-07	5.76E-07	2.23E-07	0.00E+00
North Dakota	Mountrail County	38061	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	1.89E-04	0.00E+00	0.00E+00	1.40E-01
North Dakota	Mountrail County	38061	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.84E-04	3.86E-04	3.91E-04	3.91E-04	0.00E+00	3.81E-06	0.00E+00	0.00E+00	3.80E-04
North Dakota	Mountrail County	38061	R	Polycyclic Organic Matter	1.86E-03	1.86E-03											

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Oliver County	38065	R	Manganese Compounds	2.76E-04	2.76E-04	2.76E-04	2.76E-04	2.76E-04	2.76E-04	2.76E-04	2.76E-04	2.67E-04	8.73E-06	1.68E-07	1.36E-07	0.00E+00	
North Dakota	Oliver County	38065	R	Mercury Compounds	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.53E-03	2.24E-05	2.33E-06	1.00E-06	1.58E-06	1.50E-03	
North Dakota	Oliver County	38065	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	1.83E-06	1.52E-03	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Oliver County	38065	R	Nickel Compounds	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.42E-04	1.39E-04	2.15E-06	4.15E-07	1.93E-07	0.00E+00	
North Dakota	Oliver County	38065	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	4.13E-04	1.94E-04	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Oliver County	38065	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	1.55E-09	2.48E-06	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Oliver County	38065	R	Polycyclic Organic Matter	1.61E-02	1.61E-02	1.61E-02	1.61E-02	1.61E-02	1.61E-02	1.61E-02	1.61E-02	2.05E-03	1.37E-02	1.99E-04	7.44E-05	0.00E+00	
North Dakota	Oliver County	38065	R	7-PAH	5.44E-03	5.44E-03	5.44E-03	5.44E-03	5.44E-03	5.44E-03	5.44E-03	5.44E-03	4.61E-07	5.44E-03	1.40E-06	8.99E-07	0.00E+00	
North Dakota	Oliver County	38065	R	Propylene Dichloride	5.49E-07	5.49E-07	5.49E-07	5.49E-07	5.49E-07	5.49E-07	5.49E-07	5.49E-07	0.00E+00	5.49E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Oliver County	38065	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	
North Dakota	Oliver County	38065	R	1,1,2,2-Tetrachloroethane	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	0.00E+00	4.64E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Oliver County	38065	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	1.24E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Oliver County	38065	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	
North Dakota	Pembina County	38067	R	Acetaldehyde	4.04E-02	4.04E-02	5.10E-02	5.22E-02	5.72E-02	6.83E-02	7.42E-02	7.42E-02	3.15E-05	2.48E-02	7.59E-03	2.48E-02	0.00E+00	
North Dakota	Pembina County	38067	R	Acrolein	1.73E-02	1.73E-02	1.74E-02	4.46E-02	3.71E-02	5.07E-02	5.55E-02	5.55E-02	2.00E-05	3.56E-02	8.60E-04	6.07E-04	0.00E+00	
North Dakota	Pembina County	38067	R	Acrylonitrile	4.33E-06	4.33E-06	4.39E-06	4.57E-06	9.84E-06	5.91E-06	3.00E-05	3.00E-05	0.00E+00	9.84E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	Arsenic Compounds	8.18E-06	8.18E-06	1.08E-05	1.15E-05	1.41E-05	1.91E-05	2.09E-05	2.09E-05	8.31E-06	5.40E-07	1.46E-06	3.79E-06	0.00E+00	
North Dakota	Pembina County	38067	R	Benzene	5.31E-01	5.31E-01	5.32E-01	5.72E-01	5.72E-01	5.81E-01	6.47E-01	6.47E-01	3.48E-05	7.08E-02	1.46E-02	6.99E-03	4.80E-01	
North Dakota	Pembina County	38067	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	
North Dakota	Pembina County	38067	R	Beryllium Compounds	3.00E-07	3.00E-07	4.45E-07	4.70E-07	6.05E-07	8.92E-07	9.18E-07	9.18E-07	4.33E-07	1.43E-07	0.00E+00	2.85E-08	0.00E+00	
North Dakota	Pembina County	38067	R	1,3-Butadiene	3.86E-03	3.86E-03	6.19E-03	1.50E-02	1.33E-02	1.74E-02	2.41E-02	2.41E-02	1.97E-07	1.14E-02	1.23E-03	6.65E-04	0.00E+00	
North Dakota	Pembina County	38067	R	Cadmium Compounds	7.76E-07	7.76E-07	1.07E-06	1.18E-06	1.73E-06	2.16E-06	3.43E-06	3.43E-06	1.07E-06	6.28E-07	0.00E+00	2.84E-08	0.00E+00	
North Dakota	Pembina County	38067	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	3.15E-06	6.44E-05	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Pembina County	38067	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	1.04E-07	1.73E-05	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Pembina County	38067	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	8.03E-08	8.08E-04	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Pembina County	38067	R	Chromium Compounds (includes Hexavalent)	3.34E-06	3.34E-06	5.49E-06	5.89E-06	6.65E-06	7.20E-06	1.13E-05	1.13E-05	5.39E-06	3.66E-07	8.22E-07	7.60E-08	0.00E+00	
North Dakota	Pembina County	38067	R	Chromium VI	1.77E-06	1.77E-06	3.02E-06	3.12E-06	3.54E-06	3.64E-06	6.15E-06	6.15E-06	3.02E-06	1.72E-07	3.23E-07	2.58E-08	0.00E+00	
North Dakota	Pembina County	38067	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	
North Dakota	Pembina County	38067	R	1,4-Dichlorobenzene	2.00E-04	2.00E-04	2.07E-04	2.41E-04	8.20E-04	2.73E-04	3.18E-03	3.18E-03	0.00E+00	8.20E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	1,3-Dichloropropene	4.13E-04	4.13E-04	4.19E-04	4.71E-04	1.67E-03	5.82E-04	6.49E-03	6.49E-03	7.23E-08	1.67E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.25E-07	9.64E-09	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Pembina County	38067	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	9.70E-07	9.21E-07	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Pembina County	38067	R	Ethylene Oxide	4.70E-06	4.70E-06	6.14E-06	9.21E-06	3.97E-05	1.70E-05	1.62E-04	1.62E-04	0.00E+00	3.97E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	Formaldehyde	3.49E-01	3.49E-01	3.55E-01	4.62E-01	4.39E-01	4.99E-01	5.28E-01	5.28E-01	9.87E-05	1.47E-01	7.26E-03	3.45E-02	2.50E-01	
North Dakota	Pembina County	38067	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.34E-05	9.34E-05	0.00E+00	1.39E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Pembina County	38067	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	6.63E-09	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Pembina County	38067	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	
North Dakota	Pembina County	38067	R	Hydrazine	1.67E-10	1.67E-10	2.67E-10	2.77E-10	1.61E-09	2.90E-09	4.43E-09	4.43E-09	0.00E+00	1.61E-09	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	Lead Compounds	8.50E-06	8.50E-06	1.72E-05	1.73E-05	2.78E-05	2.06E-05	7.53E-05	7.53E-05	8.76E-06	1.56E-05	0.00E+00	3.41E-06	0.00E+00	
North Dakota	Pembina County	38067	R	Manganese Compounds	6.13E-06	6.13E-06	9.70E-06	1.03E-05	1.17E-05	1.24E-05	1.99E-05	1.99E-05	1.01E-05	1.06E-06	2.53E-07	2.91E-07	0.00E+00	
North Dakota	Pembina County	38067	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.53E-03	2.01E-06	5.03E-06	1.74E-06	3.26E-06	1.50E-03	
North Dakota	Pembina County	38067	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.54E-01	1.51E-01	1.66E-01	1.66E-01	7.13E-06	3.96E-03	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Pembina County	38067	R	Nickel Compounds	4.25E-06	4.25E-06	6.71E-06	8.51E-06	1.79E-05	1.33E-05	5.69E-05	5.69E-05	5.67E-06	1.12E-05	6.31E-07	4.24E-07	0.00E+00	
North Dakota	Pembina County	38067	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.02E-06	5.88E-04	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Pembina County	38067	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.82E-04	3.83E-04	3.89E-04	3.83E-04	4.16E-04	4.16E-04	0.00E+00	9.05E-06	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Pembina County	38067	R	Polycyclic Organic Matter	2.13E-03	2.13E-03	2.29E-03	4.56E-03	4.60E-03	5.10E-03	8.90E-03	8.90E-03	5.81E-07	4.17E-03	2.68E-04	1.61E-04	0.00E+00	
North Dakota	Pembina County	38067	R	7-PAH	5.25E-04	5.25E-04	6.02E-04	1.69E-03	1.36E-03	1.81E-03	2.16E-03	2.16E-03	1.01E-08	1.35E-03	2.15E-06	1.11E-06	0.00E+00	
North Dakota	Pembina County	38067	R	Propylene Dichloride	2.13E-07	2.13E-07	2.79E-07	2.99E-07	5.06E-07	4.00E-07	1.34E-06	1.34E-06	0.00E+00	5.06E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	Quinoline	2.74E-09	2.74E-09	4.30E-09	4.42E-09	7.70E-09	9.93E-09	1.71E-08	1.71E-08	0.00E+00	7.70E-09	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	1,1,2,2-Tetrachloroethane	1.69E-06	1.69E-06	2.01E-06	2.20E-06	3.26E-06	2.37E-06	8.01E-06	8.01E-06	1.13E-07	3.14E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pembina County	38067	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.11E-02	8.16E-02	8.11E-02	8.38E-02	8.38E-02	0.00E+00	6.41E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Pembina County	38067	R	Vinyl Chloride	4.45E-06	4.45E-06	4.78E-06	5.09E-06	7.96E-06	5.98E-06	1.95E-05	1.95E-05	4.21E-08	7.91E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pierce County	38069	U	Acetaldehyde	1.44E-01	1.44E-01	1.44E-01	1.52E-01	1.52E-01	1.60E-01	1.60E-01	1.60E-01	0.00E+00	1.25E-01	2.31E-03	2.51E-02	0.00E+00	
North Dakota	Pierce County	38069	U	Acrolein	6.05E-02	6.05E-02	6.05E-02	6.06E-02	6.06E-02	6.06E-02	6.06E-02	6.06E-02	0.00E+00	5.98E-02	2.70E-04	5.17E-04	0.00E+00	
North Dakota	Pierce County	38069	U	Acrylonitrile	5.73E-06	5.73E-06	5.73E-06	5.83E-06	5.83E-06	5.93E-06	5.93E-06	5.93E-06	0.00E+00	5.83E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Pierce County	38069	U	Arsenic Compounds	3.14E-06	3.14E-06	3.14E-06	3.15E-06	3.15E-06	3.16E-06	3.16E-06	3.16E-06	0.00E+00	1.71E-07	3.25E-07	2.65E-06	0.00E+00	
North Dakota	Pierce County	38069	U	Benzene	6.08E-01	6.08E-01	6.08E-01											

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	Pierce County	38069	U	Chromium Compounds (includes Hexavalent)	3.86E-07	3.86E-07	3.86E-07	3.92E-07	3.92E-07	3.98E-07	3.98E-07	3.98E-07	0.00E+00	1.19E-07	1.80E-07	9.29E-08	0.00E+00
North Dakota	Pierce County	38069	U	Chromium VI	1.45E-07	1.45E-07	1.45E-07	1.47E-07	1.47E-07	1.50E-07	1.50E-07	1.50E-07	0.00E+00	4.66E-08	6.92E-08	3.16E-08	0.00E+00
North Dakota	Pierce County	38069	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
North Dakota	Pierce County	38069	U	1,4-Dichlorobenzene	2.02E-04	2.02E-04	2.02E-04	2.06E-04	2.06E-04	2.09E-04	2.09E-04	2.09E-04	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	U	1,3-Dichloropropene	4.05E-04	4.05E-04	4.05E-04	4.12E-04	4.12E-04	4.18E-04	4.18E-04	4.18E-04	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	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	2.88E-09	0.00E+00	0.00E+00	7.70E-03
North Dakota	Pierce County	38069	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	6.55E-07	0.00E+00	0.00E+00	6.10E-02
North Dakota	Pierce County	38069	U	Ethylene Oxide	9.95E-06	9.95E-06	9.95E-06	9.95E-06	9.95E-06	9.95E-06	9.95E-06	9.95E-06	0.00E+00	9.95E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	U	Formaldehyde	5.99E-01	5.99E-01	5.99E-01	6.03E-01	6.03E-01	6.08E-01	6.08E-01	6.08E-01	0.00E+00	3.23E-01	2.01E-03	2.89E-02	2.50E-01
North Dakota	Pierce County	38069	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	8.41E-08	0.00E+00	0.00E+00	9.30E-05
North Dakota	Pierce County	38069	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	1.21E-09	0.00E+00	0.00E+00	1.80E-03
North Dakota	Pierce County	38069	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
North Dakota	Pierce County	38069	U	Hydrazine	1.81E-15	1.81E-15	1.81E-15	2.08E-15	2.08E-15	2.36E-15	2.36E-15	2.36E-15	0.00E+00	2.08E-15	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	U	Lead Compounds	4.36E-06	4.36E-06	4.36E-06	7.40E-06	7.40E-06	1.05E-05	1.05E-05	1.05E-05	0.00E+00	4.81E-07	0.00E+00	6.92E-06	0.00E+00
North Dakota	Pierce County	38069	U	Manganese Compounds	5.92E-07	5.92E-07	5.92E-07	5.93E-07	5.93E-07	5.94E-07	5.94E-07	5.94E-07	0.00E+00	3.22E-07	5.37E-08	2.17E-07	0.00E+00
North Dakota	Pierce County	38069	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	0.00E+00	3.18E-07	3.98E-07	2.51E-06	1.50E-03
North Dakota	Pierce County	38069	U	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	7.99E-04	0.00E+00	0.00E+00	1.50E-01
North Dakota	Pierce County	38069	U	Nickel Compounds	1.09E-06	1.09E-06	1.09E-06	1.11E-06	1.11E-06	1.13E-06	1.13E-06	1.13E-06	0.00E+00	6.41E-07	1.30E-07	3.40E-07	0.00E+00
North Dakota	Pierce County	38069	U	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	7.40E-04	0.00E+00	0.00E+00	1.40E-01
North Dakota	Pierce County	38069	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	1.11E-06	0.00E+00	0.00E+00	3.80E-04
North Dakota	Pierce County	38069	U	Polycyclic Organic Matter	5.94E-03	5.94E-03	5.94E-03	5.94E-03	5.94E-03	5.94E-03	5.94E-03	5.94E-03	0.00E+00	5.74E-03	6.40E-05	1.32E-04	0.00E+00
North Dakota	Pierce County	38069	U	7-PAH	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	0.00E+00	2.28E-03	4.15E-07	1.51E-06	0.00E+00
North Dakota	Pierce County	38069	U	Propylene Dichloride	3.26E-07	3.26E-07	3.26E-07	3.32E-07	3.32E-07	3.38E-07	3.38E-07	3.38E-07	0.00E+00	3.32E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	U	Quinoline	2.82E-14	2.82E-14	2.82E-14	3.56E-14	3.56E-14	4.31E-14	4.31E-14	4.31E-14	0.00E+00	3.56E-14	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	U	1,1,2,2-Tetrachloroethane	2.81E-06	2.81E-06	2.81E-06	2.86E-06	2.86E-06	2.92E-06	2.92E-06	2.92E-06	0.00E+00	2.86E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Pierce County	38069	U	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	9.12E-05	0.00E+00	0.00E+00	8.10E-02
North Dakota	Pierce County	38069	U	Vinyl Chloride	6.92E-06	6.92E-06	6.92E-06	7.05E-06	7.05E-06	7.18E-06	7.18E-06	7.18E-06	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ramsey County	38071	U	Acetaldehyde	3.34E-02	3.34E-02	3.78E-02	5.93E-02	6.64E-02	7.61E-02	1.51E-01	1.51E-01	0.00E+00	2.49E-02	2.09E-02	2.06E-02	0.00E+00
North Dakota	Ramsey County	38071	U	Acrolein	1.04E-02	1.04E-02	1.90E-02	3.05E-02	3.10E-02	6.03E-02	6.03E-02	6.03E-02	0.00E+00	2.77E-02	2.40E-03	9.29E-04	0.00E+00
North Dakota	Ramsey County	38071	U	Acrylonitrile	1.88E-06	1.88E-06	4.35E-06	1.02E-05	2.91E-05	3.60E-05	1.30E-04	1.30E-04	0.00E+00	2.91E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ramsey County	38071	U	Arsenic Compounds	2.14E-06	2.14E-06	3.25E-06	6.53E-06	1.26E-05	1.76E-05	4.37E-05	4.37E-05	0.00E+00	2.77E-06	5.43E-06	4.37E-06	0.00E+00
North Dakota	Ramsey County	38071	U	Benzene	5.07E-01	5.07E-01	5.28E-01	5.88E-01	6.33E-01	6.77E-01	9.75E-01	9.75E-01	0.00E+00	7.15E-02	6.64E-02	1.57E-02	4.80E-01
North Dakota	Ramsey County	38071	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
North Dakota	Ramsey County	38071	U	Beryllium Compounds	8.86E-08	8.86E-08	9.34E-08	2.09E-07	6.46E-07	9.01E-07	2.68E-06	2.68E-06	0.00E+00	5.86E-07	0.00E+00	6.04E-08	0.00E+00
North Dakota	Ramsey County	38071	U	1,3-Butadiene	2.26E-03	2.26E-03	4.21E-03	1.60E-02	1.84E-02	2.27E-02	5.96E-02	5.96E-02	0.00E+00	1.00E-02	6.95E-03	1.48E-03	0.00E+00
North Dakota	Ramsey County	38071	U	Cadmium Compounds	1.48E-07	1.48E-07	1.96E-07	4.90E-07	1.80E-06	3.06E-06	6.74E-06	6.74E-06	0.00E+00	1.74E-06	0.00E+00	6.01E-08	0.00E+00
North Dakota	Ramsey County	38071	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.73E-02	4.75E-02	4.86E-02	4.86E-02	0.00E+00	3.47E-04	0.00E+00	0.00E+00	4.70E-02
North Dakota	Ramsey County	38071	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	8.69E-05	0.00E+00	0.00E+00	8.80E-01
North Dakota	Ramsey County	38071	U	Chloroform	8.31E-02	8.31E-02	8.32E-02	8.45E-02	8.88E-02	9.26E-02	1.07E-01	1.07E-01	0.00E+00	5.83E-03	0.00E+00	0.00E+00	8.30E-02
North Dakota	Ramsey County	38071	U	Chromium Compounds (includes Hexavalent)	3.64E-07	3.64E-07	5.49E-07	1.78E-06	5.41E-06	8.32E-06	2.16E-05	2.16E-05	0.00E+00	1.86E-06	3.38E-06	1.66E-07	0.00E+00
North Dakota	Ramsey County	38071	U	Chromium VI	1.43E-07	1.43E-07	2.14E-07	6.82E-07	2.15E-06	3.32E-06	8.60E-06	8.60E-06	0.00E+00	7.74E-07	1.32E-06	5.65E-08	0.00E+00
North Dakota	Ramsey County	38071	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
North Dakota	Ramsey County	38071	U	1,4-Dichlorobenzene	1.62E-04	1.62E-04	2.58E-04	1.12E-03	4.19E-03	6.71E-03	1.72E-02	1.72E-02	0.00E+00	4.19E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ramsey County	38071	U	1,3-Dichloropropene	3.12E-04	3.12E-04	5.02E-04	2.28E-03	8.55E-03	1.37E-02	3.51E-02	3.51E-02	0.00E+00	8.55E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ramsey County	38071	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	1.87E-08	0.00E+00	0.00E+00	7.70E-03
North Dakota	Ramsey County	38071	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	1.54E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	Ramsey County	38071	U	Ethylene Oxide	2.01E-06	2.01E-06	5.39E-06	1.17E-05	1.30E-04	1.56E-04	6.93E-04	6.93E-04	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ramsey County	38071	U	Formaldehyde	3.23E-01	3.23E-01	3.40E-01	4.15E-01	4.25E-01	4.59E-01	6.49E-01	6.49E-01	0.00E+00	1.20E-01	2.77E-02	2.71E-02	2.50E-01
North Dakota	Ramsey County	38071	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.35E-05	9.35E-05	0.00E+00	1.78E-07	0.00E+00	0.00E+00	9.30E-05
North Dakota	Ramsey County	38071	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	4.43E-08	0.00E+00	0.00E+00	1.80E-03
North Dakota	Ramsey County	38071	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
North Dakota	Ramsey County	38071	U	Hydrazine	3.21E-11	3.21E-11	2.18E-10	2.04E-09	7.39E-09	1.39E-08	2.68E-08	2.68E-08	0.00E+00	7.39E-09	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ramsey County	38071	U	Lead Compounds	8.67E-06	8.67E-06	1.32E-05	1.05E-04	1.82E-04	3.23E-04	5.65E-04	5.65E-04	0.00E+00	3.39E-05	0.00E+00	1.48E-04	0.00E+00
North Dakota	Ramsey County	38071	U	Manganese Compounds	6.26E-07	6.26E-07	6.76E-07	1.72E-06	6.28E-06	8.96E-06	2.69E-05	2.69E-05	0.00E+00	4.83E-06	1.09E-06	3.56E-07	0.00E+00
North Dakota	Ramsey County	38071	U	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.53E-03	1.56E-03	1.56E-03	0.00E+00	9.90E-06	5.90E-06	3.74E-06	1.50E-03
North Dakota	Ramsey County	38071	U	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	1.60E-02	0.00E+00	0.00E+00	1.50E-01
North Dakota	Ramsey County	38071	U	Nickel Compounds</													

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	Renville County	38075	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
North Dakota	Renville County	38075	R	Hydrazine	9.75E-13	9.75E-13	9.75E-13	9.75E-13	9.75E-13	9.75E-13	9.75E-13	9.75E-13	0.00E+00	9.75E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	Lead Compounds	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	2.18E-06	0.00E+00	0.00E+00	2.40E-06	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	Manganese Compounds	4.15E-07	4.15E-07	4.15E-07	4.15E-07	4.15E-07	4.15E-07	4.15E-07	4.15E-07	0.00E+00	2.08E-07	5.56E-08	1.52E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	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	1.38E-07	3.73E-07	1.77E-06	1.50E-03	0.00E+00	0.00E+00
North Dakota	Renville County	38075	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	5.52E-04	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00
North Dakota	Renville County	38075	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	1.85E-07	1.38E-07	2.24E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	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	9.57E-05	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00
North Dakota	Renville County	38075	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	1.00E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	Polycyclic Organic Matter	3.58E-04	3.58E-04	3.58E-04	3.58E-04	3.58E-04	3.58E-04	3.58E-04	3.58E-04	0.00E+00	2.14E-04	6.25E-05	8.09E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	7-PAH	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	1.41E-05	0.00E+00	1.29E-05	4.63E-07	7.16E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	Propylene Dichloride	1.19E-06	1.19E-06	1.19E-06	1.19E-06	1.19E-06	1.19E-06	1.19E-06	1.19E-06	0.00E+00	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	Quinoline	1.17E-11	1.17E-11	1.17E-11	1.17E-11	1.17E-11	1.17E-11	1.17E-11	1.17E-11	0.00E+00	1.17E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	R	1,1,2,2-Tetrachloroethane	1.08E-05	1.08E-05	1.08E-05	1.08E-05	1.08E-05	1.08E-05	1.08E-05	1.08E-05	0.00E+00	1.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Renville County	38075	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	6.09E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Dakota	Renville County	38075	R	Vinyl Chloride	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	2.67E-05	0.00E+00	2.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Acetaldehyde	4.37E-02	4.37E-02	4.82E-02	6.41E-02	6.54E-02	8.34E-02	8.82E-02	8.82E-02	1.02E-03	9.03E-03	2.11E-02	3.42E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Acrolein	3.81E-03	3.81E-03	5.80E-03	7.70E-03	9.45E-03	1.13E-02	2.22E-02	2.22E-02	1.29E-04	5.79E-03	2.24E-03	1.29E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Acrylonitrile	1.89E-06	1.89E-06	2.27E-06	1.04E-05	2.05E-05	3.13E-05	7.40E-05	7.40E-05	0.00E+00	2.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Arsenic Compounds	7.42E-06	7.42E-06	9.56E-06	1.12E-05	2.84E-05	4.72E-05	8.44E-05	8.44E-05	1.65E-05	3.11E-06	3.15E-06	5.71E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Benzene	5.06E-01	5.06E-01	5.15E-01	5.23E-01	5.56E-01	5.88E-01	6.89E-01	6.89E-01	1.29E-04	2.11E-02	3.75E-02	1.71E-02	4.80E-01	0.00E+00	0.00E+00
North Dakota	Richland County	38077	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
North Dakota	Richland County	38077	U	Beryllium Compounds	2.31E-07	2.31E-07	3.46E-07	5.65E-07	1.77E-06	3.13E-06	5.83E-06	5.83E-06	8.61E-07	5.91E-07	0.00E+00	3.14E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	1,3-Butadiene	1.27E-03	1.27E-03	2.58E-03	3.06E-03	6.30E-03	1.01E-02	1.77E-02	1.77E-02	4.98E-13	1.45E-03	3.08E-03	1.77E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Cadmium Compounds	2.82E-07	2.82E-07	6.04E-07	1.06E-06	3.98E-06	7.30E-06	1.36E-05	1.36E-05	2.43E-06	1.24E-06	0.00E+00	3.13E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	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	5.50E-06	2.03E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Dakota	Richland County	38077	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	4.69E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Chloroform	8.31E-02	8.31E-02	8.31E-02	8.32E-02	8.48E-02	8.55E-02	9.19E-02	9.19E-02	2.40E-08	1.82E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Dakota	Richland County	38077	U	Chromium Compounds (includes Hexavalent)	2.05E-05	2.05E-05	3.16E-05	7.43E-05	2.15E-04	3.16E-04	8.59E-04	8.59E-04	1.10E-05	2.02E-04	2.08E-06	2.88E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Chromium VI	7.17E-06	7.17E-06	1.14E-05	2.71E-05	8.25E-05	1.24E-04	3.27E-04	3.27E-04	6.00E-06	7.55E-05	8.38E-07	9.79E-08	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	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
North Dakota	Richland County	38077	U	1,4-Dichlorobenzene	3.27E-04	3.27E-04	3.33E-04	3.56E-04	2.96E-03	4.70E-03	1.26E-02	1.26E-02	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	1,3-Dichloropropene	6.80E-04	6.80E-04	7.19E-04	7.57E-04	6.57E-03	1.03E-02	2.83E-02	2.83E-02	0.00E+00	6.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.88E-07	2.47E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Dakota	Richland County	38077	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	1.69E-06	2.37E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Dakota	Richland County	38077	U	Ethylene Oxide	4.44E-06	4.44E-06	8.30E-06	1.43E-05	9.18E-05	1.24E-04	4.37E-04	4.37E-04	0.00E+00	9.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Formaldehyde	3.09E-01	3.09E-01	3.26E-01	3.47E-01	3.71E-01	3.89E-01	5.36E-01	5.36E-01	2.48E-02	2.76E-02	1.84E-02	5.03E-02	2.50E-01	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.34E-05	9.34E-05	0.00E+00	1.64E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Dakota	Richland County	38077	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	2.11E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
North Dakota	Richland County	38077	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
North Dakota	Richland County	38077	U	Hydrazine	3.08E-11	3.08E-11	3.85E-11	5.19E-11	9.00E-09	1.28E-08	4.63E-08	4.63E-08	0.00E+00	9.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Lead Compounds	3.88E-06	3.88E-06	1.16E-05	1.92E-05	2.64E-04	2.65E-04	1.52E-03	1.52E-03	1.96E-05	2.30E-05	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Manganese Compounds	3.33E-05	3.33E-05	1.55E-04	7.35E-04	6.97E-04	1.18E-03	1.40E-03	1.40E-03	3.04E-04	3.92E-04	6.73E-07	4.86E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	5.24E-06	3.25E-06	3.54E-06	5.17E-06	1.50E-03	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.51E-01	1.64E-01	1.71E-01	2.09E-01	2.09E-01	1.22E-05	1.35E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Nickel Compounds	3.31E-05	3.31E-05	5.09E-05	1.16E-04	3.79E-04	5.60E-04	1.55E-03	1.55E-03	1.17E-05	3.65E-04	1.64E-06	7.61E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.43E-01	1.44E-01	1.50E-01	1.50E-01	0.00E+00	8.06E-06	2.61E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Dakota	Richland County	38077	U	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.83E-04	3.84E-04	3.90E-04	3.95E-04	4.14E-04	4.14E-04	0.00E+00	9.73E-06	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Polycyclic Organic Matter	1.44E-03	1.44E-03	1.69E-03	1.89E-03	5.23E-03	7.58E-03	1.81E-02	1.81E-02	1.13E-06	4.07E-03	7.24E-04	4.28E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	7-PAH	1.12E-04	1.12E-04	1.77E-04	2.52E-04	3.32E-04	4.17E-04	8.52E-04	8.52E-04	1.64E-08	3.23E-04	4.82E-06	4.44E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Richland County	38077	U	Propylene Dichloride															

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Rolette County	38079	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	2.93E-05	0.00E+00	0.00E+00	4.70E-02
North Dakota	Rolette County	38079	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	1.70E-05	0.00E+00	0.00E+00	8.80E-01
North Dakota	Rolette County	38079	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	5.66E-05	0.00E+00	0.00E+00	8.30E-02
North Dakota	Rolette County	38079	R	Chromium Compounds (includes Hexavalent)	4.94E-07	4.94E-07	8.52E-07	1.23E-06	1.38E-06	1.90E-06	2.55E-06	2.55E-06	0.00E+00	2.77E-07	1.07E-06	3.12E-08	0.00E+00	
North Dakota	Rolette County	38079	R	Chromium VI	1.93E-07	1.93E-07	3.39E-07	4.93E-07	5.51E-07	7.64E-07	1.03E-06	1.03E-06	0.00E+00	1.17E-07	4.24E-07	1.06E-08	0.00E+00	
North Dakota	Rolette County	38079	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
North Dakota	Rolette County	38079	R	1,4-Dichlorobenzene	1.75E-04	1.75E-04	3.50E-04	5.39E-04	6.52E-04	9.53E-04	1.35E-03	1.35E-03	0.00E+00	6.52E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	R	1,3-Dichloropropene	3.40E-04	3.40E-04	6.93E-04	1.08E-03	1.31E-03	1.92E-03	2.73E-03	2.73E-03	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	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	1.96E-08	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Rolette County	38079	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	4.26E-06	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Rolette County	38079	R	Ethylene Oxide	3.67E-06	3.67E-06	5.66E-06	1.26E-05	2.65E-05	4.73E-05	7.71E-05	7.71E-05	0.00E+00	2.65E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	R	Formaldehyde	3.91E-01	3.91E-01	4.11E-01	5.95E-01	5.89E-01	7.67E-01	7.74E-01	7.74E-01	0.00E+00	3.16E-01	9.77E-03	1.33E-02	2.50E-01	
North Dakota	Rolette County	38079	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	9.42E-08	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Rolette County	38079	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	3.84E-09	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Rolette County	38079	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
North Dakota	Rolette County	38079	R	Hydrazine	0.00E+00	0.00E+00	4.72E-12	1.20E-11	1.17E-11	1.86E-11	2.27E-11	2.27E-11	0.00E+00	1.17E-11	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	R	Lead Compounds	2.00E-06	2.00E-06	3.01E-06	5.60E-06	6.13E-06	9.25E-06	1.13E-05	1.13E-05	0.00E+00	5.89E-06	0.00E+00	2.40E-07	0.00E+00	
North Dakota	Rolette County	38079	R	Manganese Compounds	5.99E-07	5.99E-07	8.67E-07	1.22E-06	1.29E-06	1.72E-06	2.13E-06	2.13E-06	0.00E+00	7.99E-07	3.47E-07	1.45E-07	0.00E+00	
North Dakota	Rolette County	38079	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	2.92E-06	2.29E-06	1.66E-06	1.50E-03	
North Dakota	Rolette County	38079	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.52E-01	1.53E-01	1.54E-01	1.54E-01	1.54E-01	0.00E+00	2.52E-03	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Rolette County	38079	R	Nickel Compounds	8.45E-07	8.45E-07	1.49E-06	2.60E-06	3.33E-06	5.17E-06	7.28E-06	7.28E-06	0.00E+00	2.32E-06	8.07E-07	2.06E-07	0.00E+00	
North Dakota	Rolette County	38079	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.42E-01	1.43E-01	1.43E-01	0.00E+00	1.08E-03	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Rolette County	38079	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.83E-04	3.85E-04	3.86E-04	3.89E-04	3.91E-04	3.91E-04	0.00E+00	5.70E-06	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Rolette County	38079	R	Polycyclic Organic Matter	2.69E-03	2.69E-03	3.43E-03	7.77E-03	7.60E-03	1.18E-02	1.22E-02	1.22E-02	0.00E+00	7.18E-03	3.48E-04	7.20E-05	0.00E+00	
North Dakota	Rolette County	38079	R	7-PAH	9.29E-04	9.29E-04	1.11E-03	2.68E-03	2.60E-03	4.08E-03	4.10E-03	4.10E-03	0.00E+00	2.59E-03	2.86E-06	7.05E-07	0.00E+00	
North Dakota	Rolette County	38079	R	Propylene Dichloride	8.94E-07	8.94E-07	1.12E-06	1.70E-06	2.17E-06	3.22E-06	4.39E-06	4.39E-06	0.00E+00	2.17E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	R	Quinoline	0.00E+00	0.00E+00	7.72E-11	2.27E-10	2.09E-10	3.40E-10	3.81E-10	3.81E-10	0.00E+00	2.09E-10	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	R	1,1,2,2-Tetrachloroethane	7.25E-06	7.25E-06	9.69E-06	1.53E-05	1.93E-05	2.89E-05	3.93E-05	3.93E-05	0.00E+00	1.93E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Rolette County	38079	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.13E-02	8.12E-02	8.14E-02	8.14E-02	8.14E-02	0.00E+00	2.48E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Rolette County	38079	R	Vinyl Chloride	1.79E-05	1.79E-05	2.39E-05	3.77E-05	4.75E-05	7.11E-05	9.68E-05	9.68E-05	0.00E+00	4.75E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Sargent County	38081	R	Acetaldehyde	5.70E-02	5.70E-02	5.70E-02	5.93E-02	7.41E-02	1.06E-01	1.06E-01	1.06E-01	0.00E+00	2.73E-02	6.67E-03	4.01E-02	0.00E+00	
North Dakota	Sargent County	38081	R	Acrolein	1.34E-02	1.34E-02	1.34E-02	1.64E-02	1.75E-02	2.26E-02	2.26E-02	2.26E-02	0.00E+00	1.61E-02	7.86E-04	6.07E-04	0.00E+00	
North Dakota	Sargent County	38081	R	Acrylonitrile	3.87E-06	3.87E-06	3.87E-06	9.15E-06	2.34E-05	5.71E-05	5.71E-05	5.71E-05	0.00E+00	2.34E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Sargent County	38081	R	Arsenic Compounds	4.18E-06	4.18E-06	4.18E-06	4.64E-06	5.97E-06	9.10E-06	9.10E-06	9.10E-06	0.00E+00	8.36E-07	9.66E-07	4.17E-06	0.00E+00	
North Dakota	Sargent County	38081	R	Benzene	5.17E-01	5.17E-01	5.17E-01	5.22E-01	5.27E-01	5.43E-01	5.43E-01	5.43E-01	0.00E+00	3.27E-02	9.18E-03	5.42E-03	4.80E-01	
North Dakota	Sargent County	38081	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
North Dakota	Sargent County	38081	R	Beryllium Compounds	6.33E-08	6.33E-08	6.33E-08	1.14E-07	1.14E-07	1.65E-07	1.65E-07	1.65E-07	0.00E+00	8.92E-08	0.00E+00	2.48E-08	0.00E+00	
North Dakota	Sargent County	38081	R	1,3-Butadiene	4.38E-03	4.38E-03	4.38E-03	5.04E-03	6.12E-03	8.93E-03	8.93E-03	8.93E-03	0.00E+00	5.25E-03	5.25E-04	3.41E-04	0.00E+00	
North Dakota	Sargent County	38081	R	Cadmium Compounds	1.01E-07	1.01E-07	1.01E-07	1.79E-07	3.40E-07	7.41E-07	7.41E-07	7.41E-07	0.00E+00	3.16E-07	0.00E+00	2.46E-08	0.00E+00	
North Dakota	Sargent County	38081	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	1.50E-05	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Sargent County	38081	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	8.33E-06	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Sargent County	38081	R	Chloroform	8.32E-02	8.32E-02	8.32E-02	8.34E-02	8.34E-02	8.37E-02	8.37E-02	8.37E-02	0.00E+00	4.31E-04	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Sargent County	38081	R	Chromium Compounds (includes Hexavalent)	6.05E-07	6.05E-07	6.05E-07	7.50E-07	1.89E-06	4.30E-06	4.30E-06	4.30E-06	0.00E+00	1.27E-06	5.67E-07	4.79E-08	0.00E+00	
North Dakota	Sargent County	38081	R	Chromium VI	2.46E-07	2.46E-07	2.46E-07	3.03E-07	9.26E-07	2.23E-06	2.23E-06	2.23E-06	0.00E+00	6.91E-07	2.19E-07	1.63E-08	0.00E+00	
North Dakota	Sargent County	38081	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
North Dakota	Sargent County	38081	R	1,4-Dichlorobenzene	2.02E-04	2.02E-04	2.02E-04	2.63E-04	2.89E-04	4.02E-04	4.02E-04	4.02E-04	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Sargent County	38081	R	1,3-Dichloropropene	3.85E-04	3.85E-04	3.85E-04	5.12E-04	5.62E-04	7.88E-04	7.88E-04	7.88E-04	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Sargent County	38081	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	1.27E-08	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Sargent County	38081	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	2.74E-06	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Sargent County	38081	R	Ethylene Oxide	3.43E-06	3.43E-06	3.43E-06	4.06E-06	4.50E-06	6.00E-06	6.00E-06	6.00E-06	0.00E+00	4.50E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Sargent County	38081	R	Formaldehyde	3.62E-01	3.62E-01	3.62E-01	3.66E-01	3.92E-01	4.47E-01	4.47E-01	4.47E-01	0.00E+00	8.49E-02	5.07E-03	5.17E-02	2.50E-01	
North Dakota	Sargent County	38081	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	1.07E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Sargent County	38081	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	1.80E-09	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Sargent County	38081	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
North Dakota	Sargent County	38081	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	4.83E-17	1.01E-11	3.03E-11	3.03E-11	3.03E-11	0.00E+00	1.01E-11	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Sargent County	38081	R	Lead Compounds	2.94E-06	2.94E-06	2.94E-06	5.70E-06	1.07E-05	2.35E-05	2.35E-05	2.35E-05	0.00E+00	4.44E-06	0.00E+00	6.27E-06	0	

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	Sargent County	38081	R	Propylene Dichloride	2.16E-07	2.16E-07	2.16E-07	5.30E-07	1.39E-06	3.41E-06	3.41E-06	3.41E-06	0.00E+00	1.39E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sargent County	38081	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	1.01E-15	2.11E-10	6.34E-10	6.34E-10	6.34E-10	0.00E+00	2.11E-10	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sargent County	38081	R	1,1,2,2-Tetrachloroethane	1.73E-06	1.73E-06	1.73E-06	4.64E-06	1.24E-05	3.09E-05	3.09E-05	3.09E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sargent County	38081	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.12E-02	8.12E-02	8.14E-02	8.14E-02	8.14E-02	0.00E+00	2.40E-04	0.00E+00	0.00E+00	8.10E-02
North Dakota	Sargent County	38081	R	Vinyl Chloride	4.28E-06	4.28E-06	4.28E-06	1.14E-05	3.06E-05	7.60E-05	7.60E-05	7.60E-05	0.00E+00	3.06E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	R	Acetaldehyde	3.70E-02	3.70E-02	3.70E-02	3.70E-02	3.70E-02	3.70E-02	3.70E-02	3.70E-02	0.00E+00	1.17E-02	1.77E-03	2.36E-02	0.00E+00
North Dakota	Sheridan County	38083	R	Acrolein	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	2.26E-03	0.00E+00	1.67E-03	2.50E-04	3.39E-04	0.00E+00
North Dakota	Sheridan County	38083	R	Acrylonitrile	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	1.29E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	R	Arsenic Compounds	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	2.16E-06	0.00E+00	9.88E-08	2.90E-07	1.77E-06	0.00E+00
North Dakota	Sheridan County	38083	R	Benzene	4.90E-01	4.90E-01	4.90E-01	4.90E-01	4.90E-01	4.90E-01	4.90E-01	4.90E-01	0.00E+00	3.97E-03	2.87E-03	3.36E-03	4.80E-01
North Dakota	Sheridan County	38083	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
North Dakota	Sheridan County	38083	R	Beryllium Compounds	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	0.00E+00	2.99E-08	0.00E+00	8.70E-08	0.00E+00
North Dakota	Sheridan County	38083	R	1,3-Butadiene	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	4.58E-04	0.00E+00	8.57E-05	1.59E-04	2.13E-04	0.00E+00
North Dakota	Sheridan County	38083	R	Cadmium Compounds	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	1.53E-07	0.00E+00	6.59E-08	0.00E+00	8.67E-08	0.00E+00
North Dakota	Sheridan County	38083	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	5.45E-06	0.00E+00	0.00E+00	4.70E-02
North Dakota	Sheridan County	38083	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	3.75E-06	0.00E+00	0.00E+00	8.80E-01
North Dakota	Sheridan County	38083	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	8.11E-06	0.00E+00	0.00E+00	8.30E-02
North Dakota	Sheridan County	38083	R	Chromium Compounds (includes Hexavalent)	2.89E-07	2.89E-07	2.89E-07	2.89E-07	2.89E-07	2.89E-07	2.89E-07	2.89E-07	0.00E+00	7.18E-08	1.69E-07	4.87E-08	0.00E+00
North Dakota	Sheridan County	38083	R	Chromium VI	1.07E-07	1.07E-07	1.07E-07	1.07E-07	1.07E-07	1.07E-07	1.07E-07	1.07E-07	0.00E+00	2.64E-08	6.45E-08	1.66E-08	0.00E+00
North Dakota	Sheridan County	38083	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
North Dakota	Sheridan County	38083	R	1,4-Dichlorobenzene	9.04E-05	9.04E-05	9.04E-05	9.04E-05	9.04E-05	9.04E-05	9.04E-05	9.04E-05	0.00E+00	9.04E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	R	1,3-Dichloropropene	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	7.70E-03	0.00E+00	0.00E+00	7.70E-03
North Dakota	Sheridan County	38083	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	1.52E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	Sheridan County	38083	R	Ethylene Oxide	5.61E-06	5.61E-06	5.61E-06	5.61E-06	5.61E-06	5.61E-06	5.61E-06	5.61E-06	0.00E+00	5.61E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	R	Formaldehyde	2.93E-01	2.93E-01	2.93E-01	2.93E-01	2.93E-01	2.93E-01	2.93E-01	2.93E-01	0.00E+00	1.46E-02	1.55E-03	2.71E-02	2.50E-01
North Dakota	Sheridan County	38083	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	9.17E-08	0.00E+00	0.00E+00	9.30E-05
North Dakota	Sheridan County	38083	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	6.05E-10	0.00E+00	0.00E+00	1.80E-03
North Dakota	Sheridan County	38083	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
North Dakota	Sheridan County	38083	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
North Dakota	Sheridan County	38083	R	Lead Compounds	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	9.59E-07	0.00E+00	5.81E-07	0.00E+00	3.79E-07	0.00E+00
North Dakota	Sheridan County	38083	R	Manganese Compounds	4.03E-07	4.03E-07	4.03E-07	4.03E-07	4.03E-07	4.03E-07	4.03E-07	4.03E-07	0.00E+00	2.22E-07	4.03E-08	1.40E-07	0.00E+00
North Dakota	Sheridan County	38083	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	2.27E-07	3.50E-07	1.63E-06	1.50E-03
North Dakota	Sheridan County	38083	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	4.21E-04	0.00E+00	0.00E+00	1.50E-01
North Dakota	Sheridan County	38083	R	Nickel Compounds	4.97E-07	4.97E-07	4.97E-07	4.97E-07	4.97E-07	4.97E-07	4.97E-07	4.97E-07	0.00E+00	1.64E-07	1.25E-07	2.09E-07	0.00E+00
North Dakota	Sheridan County	38083	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	6.23E-05	0.00E+00	0.00E+00	1.40E-01
North Dakota	Sheridan County	38083	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	9.47E-07	0.00E+00	0.00E+00	3.80E-04
North Dakota	Sheridan County	38083	R	Polycyclic Organic Matter	5.75E-04	5.75E-04	5.75E-04	5.75E-04	5.75E-04	5.75E-04	5.75E-04	5.75E-04	0.00E+00	4.39E-04	5.65E-05	7.95E-05	0.00E+00
North Dakota	Sheridan County	38083	R	7-PAH	7.09E-05	7.09E-05	7.09E-05	7.09E-05	7.09E-05	7.09E-05	7.09E-05	7.09E-05	0.00E+00	6.95E-05	3.63E-07	1.01E-06	0.00E+00
North Dakota	Sheridan County	38083	R	Propylene Dichloride	7.67E-07	7.67E-07	7.67E-07	7.67E-07	7.67E-07	7.67E-07	7.67E-07	7.67E-07	0.00E+00	7.67E-07	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	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
North Dakota	Sheridan County	38083	R	1,1,2,2-Tetrachloroethane	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	6.94E-06	0.00E+00	6.94E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sheridan County	38083	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	4.08E-05	0.00E+00	0.00E+00	8.10E-02
North Dakota	Sheridan County	38083	R	Vinyl Chloride	1.71E-05	1.71E-05	1.71E-05	1.71E-05	1.71E-05	1.71E-05	1.71E-05	1.71E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sioux County	38085	R	Acetaldehyde	6.31E+00	6.31E+00	6.73E+00	1.48E+01	1.94E+01	3.22E+01	4.18E+01	4.18E+01	0.00E+00	1.94E+01	4.07E-03	7.99E-03	0.00E+00
North Dakota	Sioux County	38085	R	Acrolein	9.96E-02	9.96E-02	1.92E-01	3.10E-01	4.36E-01	6.80E-01	1.02E+00	1.02E+00	0.00E+00	4.35E-01	5.36E-04	2.91E-04	0.00E+00
North Dakota	Sioux County	38085	R	Acrylonitrile	2.20E-06	2.20E-06	3.44E-06	7.12E-06	7.90E-06	1.24E-05	1.52E-05	1.52E-05	0.00E+00	7.90E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Sioux County	38085	R	Arsenic Compounds	1.29E-06	1.29E-06	1.57E-06	1.94E-06	1.96E-06	2.34E-06	2.66E-06	2.66E-06	0.00E+00	1.46E-07	7.10E-07	1.10E-06	0.00E+00
North Dakota	Sioux County	38085	R	Benzene	6.48E-01	6.48E-01	8.38E-01	1.06E+00	1.29E+00	1.74E+00	2.39E+00	2.39E+00	0.00E+00	8.00E-01	7.05E-03	4.11E-03	4.80E-01
North Dakota	Sioux County	38085	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
North Dakota	Sioux County	38085	R	Beryllium Compounds	4.69E-08	4.69E-08	5.29E-08	6.17E-08	5.99E-08	6.70E-08	6.93E-08	6.93E-08	0.00E+00	5.07E-08	0.00E+00	9.20E-09	0.00E+00
North Dakota	Sioux County	38085	R	1,3-Butadiene	1.90E-02	1.90E-02	6.20E-02	1.07E-01	1.48E-01	2.34E-01	3.61E-01	3.61E-01	0.00E+00	1.47E-01	4.69E-04	2.03E-04	0.00E+00
North Dakota	Sioux County	38085	R	Cadmium Compounds	5.43E-08	5.43E-08	8.90E-08	1.41E-07	1.37E-07	1.85E-07	2.11E-07	2.11E-07	0.00E+00	1.28E-07	0.00E+00	9.13E-09	0.00E+00
North Dakota	Sioux County	38085	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	7.52E-06	0.00E+00	0.00E+00	4.70E-02
North Dakota	Sioux County	38085	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	5.51E-06	0.00E+00	0.00E+00	8.80E-01
North Dakota	Sioux County	38085	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	0.00E+00	2.63E-05	0.00E+00	0.00E+00	8.30E-02
North Dakota	Sioux County	38085	R	Chromium Compounds (includes Hexavalent)	2.28E-07	2.28E-07	4.15E-07</										

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	Stark County	38089	U	Beryllium Compounds	6.69E-07	6.69E-07	1.07E-06	2.46E-06	3.32E-06	4.58E-06	9.68E-06	9.68E-06	0.00E+00	1.62E-06	0.00E+00	1.70E-06	0.00E+00
North Dakota	Stark County	38089	U	1,3-Butadiene	5.44E-02	5.44E-02	7.46E-02	1.02E-01	1.05E-01	1.34E-01	1.67E-01	1.67E-01	0.00E+00	8.92E-02	1.33E-02	2.84E-03	0.00E+00
North Dakota	Stark County	38089	U	Cadmium Compounds	8.67E-07	8.67E-07	1.59E-06	4.84E-06	8.66E-06	1.54E-05	2.48E-05	2.48E-05	0.00E+00	6.96E-06	0.00E+00	1.70E-06	0.00E+00
North Dakota	Stark County	38089	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.73E-02	4.74E-02	4.76E-02	4.82E-02	4.82E-02	0.00E+00	3.75E-04	0.00E+00	0.00E+00	4.70E-02
North Dakota	Stark County	38089	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	1.23E-04	0.00E+00	0.00E+00	8.80E-01
North Dakota	Stark County	38089	U	Chloroform	8.33E-02	8.33E-02	8.37E-02	8.61E-02	8.75E-02	9.05E-02	9.58E-02	9.58E-02	0.00E+00	4.47E-03	0.00E+00	0.00E+00	8.30E-02
North Dakota	Stark County	38089	U	Chromium Compounds (includes Hexavalent)	1.58E-06	1.58E-06	2.28E-06	9.81E-06	1.10E-05	1.74E-05	2.72E-05	2.72E-05	0.00E+00	3.21E-06	7.07E-06	6.82E-07	0.00E+00
North Dakota	Stark County	38089	U	Chromium VI	6.14E-07	6.14E-07	9.08E-07	4.02E-06	4.51E-06	7.17E-06	1.13E-05	1.13E-05	0.00E+00	1.42E-06	2.86E-06	2.32E-07	0.00E+00
North Dakota	Stark County	38089	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
North Dakota	Stark County	38089	U	1,4-Dichlorobenzene	2.86E-04	2.86E-04	1.28E-03	6.72E-03	9.96E-03	1.73E-02	2.88E-02	2.88E-02	0.00E+00	9.96E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stark County	38089	U	1,3-Dichloropropene	5.42E-04	5.42E-04	2.56E-03	1.37E-02	2.03E-02	3.53E-02	5.89E-02	5.89E-02	0.00E+00	2.03E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stark County	38089	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	3.20E-08	0.00E+00	0.00E+00	7.70E-03
North Dakota	Stark County	38089	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	7.64E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	Stark County	38089	U	Ethylene Oxide	4.02E-06	4.02E-06	1.60E-05	1.22E-04	3.22E-04	2.60E-04	1.78E-03	1.78E-03	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stark County	38089	U	Formaldehyde	9.86E-01	9.86E-01	1.72E+00	2.25E+00	2.04E+00	2.45E+00	2.50E+00	2.50E+00	0.00E+00	1.69E+00	5.50E-02	4.05E-02	2.50E-01
North Dakota	Stark County	38089	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.33E-05	9.34E-05	9.36E-05	9.39E-05	9.39E-05	0.00E+00	3.75E-07	0.00E+00	0.00E+00	9.30E-05
North Dakota	Stark County	38089	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	5.87E-08	0.00E+00	0.00E+00	1.80E-03
North Dakota	Stark County	38089	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
North Dakota	Stark County	38089	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
North Dakota	Stark County	38089	U	Lead Compounds	6.45E-06	6.45E-06	2.10E-05	1.46E-04	2.36E-04	3.85E-04	7.75E-04	7.75E-04	0.00E+00	2.30E-04	0.00E+00	5.73E-06	0.00E+00
North Dakota	Stark County	38089	U	Manganese Compounds	1.25E-06	1.25E-06	2.04E-06	8.04E-06	1.07E-05	1.74E-05	2.97E-05	2.97E-05	0.00E+00	7.94E-06	2.13E-06	6.78E-07	0.00E+00
North Dakota	Stark County	38089	U	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.57E-03	1.63E-03	1.68E-03	1.68E-03	0.00E+00	5.06E-05	9.21E-06	7.40E-06	1.50E-03
North Dakota	Stark County	38089	U	Methylene Chloride	1.51E-01	1.51E-01	1.55E-01	1.77E-01	1.89E-01	2.13E-01	2.69E-01	2.69E-01	0.00E+00	3.87E-02	0.00E+00	0.00E+00	1.50E-01
North Dakota	Stark County	38089	U	Nickel Compounds	2.38E-06	2.38E-06	5.44E-06	2.61E-05	3.02E-05	4.81E-05	8.01E-05	8.01E-05	0.00E+00	2.36E-05	5.41E-06	1.24E-06	0.00E+00
North Dakota	Stark County	38089	U	Perchloroethylene	1.41E-01	1.41E-01	1.45E-01	1.70E-01	1.86E-01	2.13E-01	2.95E-01	2.95E-01	0.00E+00	4.63E-02	0.00E+00	0.00E+00	1.40E-01
North Dakota	Stark County	38089	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.85E-04	4.09E-04	4.15E-04	4.38E-04	4.77E-04	4.77E-04	0.00E+00	3.53E-05	0.00E+00	0.00E+00	3.80E-04
North Dakota	Stark County	38089	U	Polycyclic Organic Matter	1.69E-02	1.69E-02	3.57E-02	5.08E-02	4.88E-02	6.44E-02	7.16E-02	7.16E-02	0.00E+00	4.57E-02	2.40E-03	6.59E-04	0.00E+00
North Dakota	Stark County	38089	U	7-PAH	6.63E-03	6.63E-03	1.28E-02	1.73E-02	1.56E-02	1.86E-02	2.05E-02	2.05E-02	0.00E+00	1.56E-02	1.63E-05	6.02E-06	0.00E+00
North Dakota	Stark County	38089	U	Propylene Dichloride	5.42E-07	5.42E-07	2.55E-06	5.04E-06	4.44E-06	5.94E-06	7.91E-06	7.91E-06	0.00E+00	4.44E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stark County	38089	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
North Dakota	Stark County	38089	U	1,1,2,2-Tetrachloroethane	4.71E-06	4.71E-06	1.95E-05	3.84E-05	3.19E-05	4.39E-05	4.68E-05	4.68E-05	0.00E+00	3.19E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stark County	38089	U	Trichloroethylene	8.11E-02	8.11E-02	8.15E-02	8.41E-02	8.55E-02	8.80E-02	9.53E-02	9.53E-02	0.00E+00	4.46E-03	0.00E+00	0.00E+00	8.10E-02
North Dakota	Stark County	38089	U	Vinyl Chloride	1.16E-05	1.16E-05	4.82E-05	9.47E-05	7.87E-05	1.08E-04	1.15E-04	1.15E-04	0.00E+00	7.87E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	R	Acetaldehyde	4.95E-02	4.95E-02	4.95E-02	4.95E-02	4.95E-02	4.95E-02	4.95E-02	4.95E-02	0.00E+00	6.30E-03	2.97E-03	4.03E-02	0.00E+00
North Dakota	Steele County	38091	R	Acrolein	4.86E-03	4.86E-03	4.86E-03	4.86E-03	4.86E-03	4.86E-03	4.86E-03	4.86E-03	0.00E+00	3.95E-03	3.96E-04	5.13E-04	0.00E+00
North Dakota	Steele County	38091	R	Acrylonitrile	5.26E-05	5.26E-05	5.26E-05	5.26E-05	5.26E-05	5.26E-05	5.26E-05	5.26E-05	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	R	Arsenic Compounds	3.58E-06	3.58E-06	3.58E-06	3.58E-06	3.58E-06	3.58E-06	3.58E-06	3.58E-06	0.00E+00	9.69E-08	4.33E-07	3.05E-06	0.00E+00
North Dakota	Steele County	38091	R	Benzene	4.98E-01	4.98E-01	4.98E-01	4.98E-01	4.98E-01	4.98E-01	4.98E-01	4.98E-01	0.00E+00	9.12E-03	4.54E-03	3.85E-03	4.80E-01
North Dakota	Steele County	38091	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
North Dakota	Steele County	38091	R	Beryllium Compounds	2.30E-07	2.30E-07	2.30E-07	2.30E-07	2.30E-07	2.30E-07	2.30E-07	2.30E-07	0.00E+00	3.29E-08	0.00E+00	1.97E-07	0.00E+00
North Dakota	Steele County	38091	R	1,3-Butadiene	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.68E-03	1.68E-03	0.00E+00	1.14E-03	2.50E-04	2.94E-04	0.00E+00
North Dakota	Steele County	38091	R	Cadmium Compounds	3.16E-07	3.16E-07	3.16E-07	3.16E-07	3.16E-07	3.16E-07	3.16E-07	3.16E-07	0.00E+00	1.20E-07	0.00E+00	1.96E-07	0.00E+00
North Dakota	Steele County	38091	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	1.15E-05	0.00E+00	0.00E+00	4.70E-02
North Dakota	Steele County	38091	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	4.05E-06	0.00E+00	0.00E+00	8.80E-01
North Dakota	Steele County	38091	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	8.52E-05	0.00E+00	0.00E+00	8.30E-02
North Dakota	Steele County	38091	R	Chromium Compounds (includes Hexavalent)	3.84E-07	3.84E-07	3.84E-07	3.84E-07	3.84E-07	3.84E-07	3.84E-07	3.84E-07	0.00E+00	6.93E-08	2.41E-07	7.41E-08	0.00E+00
North Dakota	Steele County	38091	R	Chromium VI	1.49E-07	1.49E-07	1.49E-07	1.49E-07	1.49E-07	1.49E-07	1.49E-07	1.49E-07	0.00E+00	2.73E-08	9.69E-08	2.52E-08	0.00E+00
North Dakota	Steele County	38091	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
North Dakota	Steele County	38091	R	1,4-Dichlorobenzene	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	1.30E-04	0.00E+00	1.30E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	R	1,3-Dichloropropene	2.45E-04	2.45E-04	2.45E-04	2.45E-04	2.45E-04	2.45E-04	2.45E-04	2.45E-04	0.00E+00	2.45E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	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	2.92E-08	0.00E+00	0.00E+00	7.70E-03
North Dakota	Steele County	38091	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	6.32E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	Steele County	38091	R	Ethylene Oxide	3.94E-06	3.94E-06	3.94E-06	3.94E-06	3.94E-06	3.94E-06	3.94E-06	3.94E-06	0.00E+00	3.94E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	R	Formaldehyde	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	0.00E+00	1.82E-02	2.45E-03	4.90E-02	2.50E-01
North Dakota	Steele County	38091	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	7.39E-08	0.00E+00	0.00E+00	9.30E-05
North Dakota	Steele County	38091	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	7.44E-10	0.00E+00	0.00E+00	1.80E-03
North Dakota																	

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	Steele County	38091	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	1.34E-06	0.00E+00	0.00E+00	3.80E-04
North Dakota	Steele County	38091	R	Polycyclic Organic Matter	9.36E-04	9.36E-04	9.36E-04	9.36E-04	9.36E-04	9.36E-04	9.36E-04	9.36E-04	0.00E+00	7.25E-04	8.39E-05	1.28E-04	0.00E+00
North Dakota	Steele County	38091	R	7-PAH	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	1.67E-04	0.00E+00	1.65E-04	6.39E-07	1.10E-06	0.00E+00
North Dakota	Steele County	38091	R	Propylene Dichloride	3.17E-06	3.17E-06	3.17E-06	3.17E-06	3.17E-06	3.17E-06	3.17E-06	3.17E-06	0.00E+00	3.17E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	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
North Dakota	Steele County	38091	R	1,1,2,2-Tetrachloroethane	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	2.90E-05	0.00E+00	2.90E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Steele County	38091	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	1.02E-04	0.00E+00	0.00E+00	8.10E-02
North Dakota	Steele County	38091	R	Vinyl Chloride	7.13E-05	7.13E-05	7.13E-05	7.13E-05	7.13E-05	7.13E-05	7.13E-05	7.13E-05	0.00E+00	7.13E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	U	Acetaldehyde	4.34E-02	4.34E-02	6.06E-02	1.07E-01	9.89E-02	1.38E-01	1.40E-01	1.40E-01	0.00E+00	2.20E-02	3.64E-02	4.06E-02	0.00E+00
North Dakota	Stutsman County	38093	U	Acrolein	6.84E-03	6.84E-03	7.30E-03	2.70E-02	2.24E-02	3.12E-02	3.22E-02	3.22E-02	0.00E+00	1.55E-02	4.95E-03	1.90E-03	0.00E+00
North Dakota	Stutsman County	38093	U	Acrylonitrile	3.50E-06	3.50E-06	1.06E-05	7.41E-05	2.24E-04	2.13E-04	1.04E-03	1.04E-03	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	U	Arsenic Compounds	3.94E-06	3.94E-06	4.83E-06	2.58E-05	2.52E-05	3.89E-05	4.68E-05	4.68E-05	0.00E+00	5.75E-06	9.29E-06	1.02E-05	0.00E+00
North Dakota	Stutsman County	38093	U	Benzene	5.05E-01	5.05E-01	5.10E-01	6.55E-01	7.10E-01	8.83E-01	9.51E-01	9.51E-01	0.00E+00	7.88E-02	1.29E-01	2.18E-02	4.80E-01
North Dakota	Stutsman County	38093	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
North Dakota	Stutsman County	38093	U	Beryllium Compounds	4.52E-07	4.52E-07	5.49E-07	3.03E-06	3.16E-06	5.40E-06	6.27E-06	6.27E-06	0.00E+00	1.51E-06	0.00E+00	1.65E-06	0.00E+00
North Dakota	Stutsman County	38093	U	1,3-Butadiene	2.25E-03	2.25E-03	2.57E-03	1.99E-02	2.18E-02	3.67E-02	4.41E-02	4.41E-02	0.00E+00	6.44E-03	1.30E-02	2.36E-03	0.00E+00
North Dakota	Stutsman County	38093	U	Cadmium Compounds	6.95E-07	6.95E-07	7.06E-07	6.17E-06	6.93E-06	1.20E-05	1.45E-05	1.45E-05	0.00E+00	5.28E-06	0.00E+00	1.65E-06	0.00E+00
North Dakota	Stutsman County	38093	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.72E-02	4.73E-02	4.75E-02	4.80E-02	4.80E-02	0.00E+00	3.26E-04	0.00E+00	0.00E+00	4.70E-02
North Dakota	Stutsman County	38093	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	1.19E-04	0.00E+00	0.00E+00	8.80E-01
North Dakota	Stutsman County	38093	U	Chloroform	8.36E-02	8.36E-02	8.36E-02	9.38E-02	1.00E-01	1.20E-01	1.23E-01	1.23E-01	0.00E+00	1.71E-02	0.00E+00	0.00E+00	8.30E-02
North Dakota	Stutsman County	38093	U	Chromium Compounds (includes Hexavalent)	1.21E-06	1.21E-06	1.73E-06	2.69E-05	3.17E-05	3.34E-05	1.15E-04	1.15E-04	2.03E-05	3.86E-06	6.98E-06	6.06E-07	0.00E+00
North Dakota	Stutsman County	38093	U	Chromium VI	2.71E-07	2.71E-07	4.96E-07	7.31E-06	5.18E-06	8.53E-06	8.62E-06	8.62E-06	6.08E-07	1.64E-06	2.72E-06	2.06E-07	0.00E+00
North Dakota	Stutsman County	38093	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
North Dakota	Stutsman County	38093	U	1,4-Dichlorobenzene	2.14E-04	2.14E-04	2.26E-04	4.19E-03	6.85E-03	1.48E-02	1.58E-02	1.58E-02	0.00E+00	6.85E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	U	1,3-Dichloropropene	4.16E-04	4.16E-04	4.40E-04	8.52E-03	1.39E-02	3.03E-02	3.22E-02	3.22E-02	0.00E+00	1.39E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	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	1.10E-07	0.00E+00	0.00E+00	7.70E-03
North Dakota	Stutsman County	38093	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	0.00E+00	2.47E-05	0.00E+00	0.00E+00	6.10E-02
North Dakota	Stutsman County	38093	U	Ethylene Oxide	2.69E-06	2.69E-06	4.62E-06	7.38E-05	2.83E-04	4.79E-04	9.91E-04	9.91E-04	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	U	Formaldehyde	3.13E-01	3.13E-01	3.40E-01	4.34E-01	4.34E-01	5.08E-01	5.27E-01	5.27E-01	0.00E+00	7.45E-02	5.77E-02	5.87E-02	2.50E-01
North Dakota	Stutsman County	38093	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.34E-05	9.34E-05	9.34E-05	0.00E+00	2.45E-07	0.00E+00	0.00E+00	9.30E-05
North Dakota	Stutsman County	38093	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	4.79E-08	0.00E+00	0.00E+00	1.80E-03
North Dakota	Stutsman County	38093	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
North Dakota	Stutsman County	38093	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
North Dakota	Stutsman County	38093	U	Lead Compounds	1.05E-05	1.05E-05	1.49E-05	3.58E-04	3.75E-04	6.56E-04	8.96E-04	8.96E-04	0.00E+00	1.89E-04	0.00E+00	1.86E-04	0.00E+00
North Dakota	Stutsman County	38093	U	Manganese Compounds	7.55E-07	7.55E-07	1.07E-06	1.47E-05	1.33E-05	2.28E-05	3.03E-05	3.03E-05	0.00E+00	1.02E-05	2.18E-06	9.09E-07	0.00E+00
North Dakota	Stutsman County	38093	U	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.54E-03	1.55E-03	1.59E-03	1.61E-03	1.61E-03	0.00E+00	3.33E-05	9.75E-06	1.04E-05	1.50E-03
North Dakota	Stutsman County	38093	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.70E-01	1.79E-01	2.02E-01	2.25E-01	2.25E-01	0.00E+00	2.86E-02	0.00E+00	0.00E+00	1.50E-01
North Dakota	Stutsman County	38093	U	Nickel Compounds	1.79E-06	1.79E-06	2.19E-06	6.44E-05	5.02E-05	9.43E-05	9.62E-05	9.62E-05	0.00E+00	4.33E-05	5.34E-06	1.54E-06	0.00E+00
North Dakota	Stutsman County	38093	U	Perchloroethylene	1.44E-01	1.44E-01	1.47E-01	1.81E-01	2.51E-01	2.35E-01	6.64E-01	6.64E-01	1.03E-01	8.53E-03	0.00E+00	0.00E+00	1.40E-01
North Dakota	Stutsman County	38093	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.82E-04	3.92E-04	3.96E-04	4.09E-04	4.11E-04	4.11E-04	0.00E+00	1.61E-05	0.00E+00	0.00E+00	3.80E-04
North Dakota	Stutsman County	38093	U	Polycyclic Organic Matter	1.33E-03	1.33E-03	1.44E-03	1.09E-02	1.55E-02	3.32E-02	3.63E-02	3.63E-02	0.00E+00	1.23E-02	2.35E-03	8.97E-04	0.00E+00
North Dakota	Stutsman County	38093	U	7-PAH	2.28E-04	2.28E-04	2.53E-04	1.02E-03	1.01E-03	1.41E-03	2.23E-03	2.23E-03	0.00E+00	9.88E-04	1.62E-05	7.63E-06	0.00E+00
North Dakota	Stutsman County	38093	U	Propylene Dichloride	1.89E-07	1.89E-07	6.23E-07	4.00E-06	1.27E-05	1.17E-05	6.04E-05	6.04E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	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
North Dakota	Stutsman County	38093	U	1,1,2,2-Tetrachloroethane	1.53E-06	1.53E-06	5.55E-06	3.23E-05	1.09E-04	9.69E-05	5.33E-04	5.33E-04	0.00E+00	1.09E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Stutsman County	38093	U	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.39E-02	8.60E-02	8.85E-02	9.60E-02	9.60E-02	0.00E+00	5.00E-03	0.00E+00	0.00E+00	8.10E-02
North Dakota	Stutsman County	38093	U	Vinyl Chloride	3.77E-06	3.77E-06	1.37E-05	7.97E-05	2.69E-04	2.39E-04	1.31E-03	1.31E-03	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Towner County	38095	R	Acetaldehyde	5.55E-02	5.55E-02	5.55E-02	6.33E-02	6.33E-02	7.10E-02	7.10E-02	7.10E-02	0.00E+00	3.45E-02	2.91E-03	2.58E-02	0.00E+00
North Dakota	Towner County	38095	R	Acrolein	7.25E-03	7.25E-03	7.25E-03	1.00E-02	1.00E-02	1.28E-02	1.28E-02	1.28E-02	0.00E+00	9.33E-03	3.66E-04	3.43E-04	0.00E+00
North Dakota	Towner County	38095	R	Acrylonitrile	1.50E-06	1.50E-06	1.50E-06	6.48E-06	6.48E-06	1.15E-05	1.15E-05	1.15E-05	0.00E+00	6.48E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Towner County	38095	R	Arsenic Compounds	2.70E-06	2.70E-06	2.70E-06	2.79E-06	2.79E-06	2.89E-06	2.89E-06	2.89E-06	0.00E+00	1.14E-07	4.22E-07	2.26E-06	0.00E+00
North Dakota	Towner County	38095	R	Benzene	5.01E-01	5.01E-01	5.01E-01	5.05E-01	5.05E-01	5.10E-01	5.10E-01	5.10E-01	0.00E+00	1.79E-02	4.46E-03	3.12E-03	4.80E-01
North Dakota	Towner County	38095	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
North Dakota	Towner County	38095	R	Beryllium Compounds	3.55E-08	3.55E-08	3.55E-08	4.60E-08	4.60E-08	5.66E-08	5.66E-08	5.66E-08	0.00E+00	3.70E-08	0.00E+00	8.98E-09	0.00E+00
North Dakota	Towner County	38095	R	1,3-Butadiene	2.51E-03	2.51E-03	2.51E-03	3.12E-03	3.12E-03	3.74E-03	3.74E-03	3.74E-03	0.00E+00	2.64E-03	2.71E-04	2.08E-04	0.00E+00
North Dakota	Towner County	38095	R	Cadmium Compounds	1.83E-07	1.83E-07	1.83E-07	3.56E-07	3.56E-07	5.28E-07	5.28E-07	5.28E-07	0.00E+00	3.47E-07	0.00E+00	8.95E-09	0.00E+00

DRAFT FOR REVIEW ONLY
 Estimated Annual Average Ambient Concentrations µg/m3 for North 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		
North Dakota	Towner County	38095	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	3.38E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Towner County	38095	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	7.36E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Towner County	38095	R	Ethylene Oxide	3.72E-06	3.72E-06	3.72E-06	3.72E-06	3.72E-06	3.72E-06	3.72E-06	3.72E-06	3.72E-06	0.00E+00	6.37E-06	0.00E+00	0.00E+00	0.00E+00	3.72E-06
North Dakota	Towner County	38095	R	Formaldehyde	3.50E-01	3.50E-01	3.50E-01	3.51E-01	3.51E-01	3.51E-01	3.52E-01	3.52E-01	3.52E-01	0.00E+00	6.78E-02	2.39E-03	3.08E-02	0.00E+00	2.50E-01
North Dakota	Towner County	38095	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	6.81E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Towner County	38095	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	9.81E-10	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Towner County	38095	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
North Dakota	Towner County	38095	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	3.22E-12	3.22E-12	6.43E-12	6.43E-12	6.43E-12	6.43E-12	0.00E+00	3.22E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Towner County	38095	R	Lead Compounds	2.47E-06	2.47E-06	2.47E-06	7.51E-06	7.51E-06	1.26E-05	1.26E-05	1.26E-05	1.26E-05	0.00E+00	5.25E-06	0.00E+00	2.26E-06	0.00E+00	2.47E-06
North Dakota	Towner County	38095	R	Manganese Compounds	3.99E-07	3.99E-07	3.99E-07	4.75E-07	4.75E-07	5.52E-07	5.52E-07	5.52E-07	5.52E-07	0.00E+00	2.33E-07	7.53E-08	1.67E-07	0.00E+00	3.99E-07
North Dakota	Towner County	38095	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	1.51E-03	0.00E+00	3.10E-06	4.97E-07	1.96E-06	0.00E+00	1.50E-03
North Dakota	Towner County	38095	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	1.51E-01	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Towner County	38095	R	Nickel Compounds	8.86E-07	8.86E-07	8.86E-07	1.47E-06	1.47E-06	2.06E-06	2.06E-06	2.06E-06	2.06E-06	0.00E+00	1.07E-06	1.74E-07	2.36E-07	0.00E+00	8.86E-07
North Dakota	Towner County	38095	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	1.54E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Dakota	Towner County	38095	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	1.26E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Towner County	38095	R	Polycyclic Organic Matter	1.08E-03	1.08E-03	1.08E-03	1.21E-03	1.21E-03	1.34E-03	1.34E-03	1.34E-03	1.34E-03	0.00E+00	1.05E-03	7.96E-05	8.20E-05	0.00E+00	1.08E-03
North Dakota	Towner County	38095	R	7-PAH	2.52E-04	2.52E-04	2.52E-04	3.38E-04	3.38E-04	4.25E-04	4.25E-04	4.25E-04	4.25E-04	0.00E+00	3.37E-04	6.20E-07	5.95E-07	0.00E+00	2.52E-04
North Dakota	Towner County	38095	R	Propylene Dichloride	6.99E-08	6.99E-08	6.99E-08	3.76E-07	3.76E-07	6.82E-07	6.82E-07	6.82E-07	6.82E-07	0.00E+00	3.76E-07	0.00E+00	0.00E+00	0.00E+00	6.99E-08
North Dakota	Towner County	38095	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	7.49E-11	7.49E-11	1.50E-10	1.50E-10	1.50E-10	1.50E-10	0.00E+00	7.49E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Towner County	38095	R	1,1,2,2-Tetrachloroethane	4.35E-07	4.35E-07	4.35E-07	3.29E-06	3.29E-06	6.15E-06	6.15E-06	6.15E-06	6.15E-06	0.00E+00	3.29E-06	0.00E+00	0.00E+00	0.00E+00	4.35E-07
North Dakota	Towner County	38095	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	7.55E-05	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Towner County	38095	R	Vinyl Chloride	1.08E-06	1.08E-06	1.08E-06	8.11E-06	8.11E-06	1.51E-05	1.51E-05	1.51E-05	1.51E-05	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00	1.08E-06
North Dakota	Traill County	38097	R	Acetaldehyde	5.03E-02	5.03E-02	5.13E-02	5.88E-02	6.00E-02	6.87E-02	7.22E-02	7.22E-02	7.22E-02	1.37E-05	1.12E-02	1.81E-02	3.07E-02	0.00E+00	5.03E-02
North Dakota	Traill County	38097	R	Acrolein	1.01E-02	1.01E-02	1.10E-02	1.28E-02	1.45E-02	1.80E-02	2.21E-02	2.21E-02	2.21E-02	4.88E-06	1.15E-02	1.93E-03	1.05E-03	0.00E+00	1.01E-02
North Dakota	Traill County	38097	R	Acrylonitrile	9.71E-06	9.71E-06	1.55E-05	3.09E-05	2.97E-05	4.38E-05	4.72E-05	4.72E-05	4.72E-05	0.00E+00	2.97E-05	0.00E+00	0.00E+00	0.00E+00	9.71E-06
North Dakota	Traill County	38097	R	Arsenic Compounds	1.10E-05	1.10E-05	1.13E-05	1.62E-05	1.89E-05	2.66E-05	3.23E-05	3.23E-05	3.23E-05	7.00E-06	1.71E-06	3.52E-06	6.72E-06	0.00E+00	1.10E-05
North Dakota	Traill County	38097	R	Benzene	5.21E-01	5.21E-01	5.25E-01	5.48E-01	5.64E-01	6.03E-01	6.41E-01	6.41E-01	6.41E-01	2.33E-05	3.86E-02	3.34E-02	1.21E-02	4.80E-01	5.21E-01
North Dakota	Traill County	38097	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
North Dakota	Traill County	38097	R	Beryllium Compounds	4.53E-07	4.53E-07	4.54E-07	9.80E-07	1.06E-06	1.67E-06	1.84E-06	1.84E-06	1.84E-06	3.63E-07	5.32E-07	0.00E+00	1.69E-07	0.00E+00	4.53E-07
North Dakota	Traill County	38097	R	1,3-Butadiene	3.85E-03	3.85E-03	4.28E-03	6.42E-03	7.99E-03	1.17E-02	1.53E-02	1.53E-02	1.53E-02	0.00E+00	3.97E-03	2.85E-03	1.17E-03	0.00E+00	3.85E-03
North Dakota	Traill County	38097	R	Cadmium Compounds	9.31E-07	9.31E-07	9.51E-07	1.95E-06	2.06E-06	3.16E-06	3.39E-06	3.39E-06	3.39E-06	8.86E-07	1.00E-06	0.00E+00	1.69E-07	0.00E+00	9.31E-07
North Dakota	Traill County	38097	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	2.33E-06	8.95E-05	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Dakota	Traill County	38097	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	3.95E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Dakota	Traill County	38097	R	Chloroform	8.31E-02	8.31E-02	8.31E-02	8.32E-02	8.32E-02	8.33E-02	8.33E-02	8.33E-02	8.33E-02	3.65E-08	1.86E-04	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Dakota	Traill County	38097	R	Chromium Compounds (includes Hexavalent)	4.32E-06	4.32E-06	4.57E-06	6.36E-06	7.96E-06	1.14E-05	1.48E-05	1.48E-05	1.48E-05	4.54E-06	1.24E-06	2.01E-06	1.68E-07	0.00E+00	4.32E-06
North Dakota	Traill County	38097	R	Chromium VI	2.17E-06	2.17E-06	2.30E-06	2.95E-06	3.90E-06	5.50E-06	7.52E-06	7.52E-06	7.52E-06	2.53E-06	5.05E-07	8.08E-07	5.72E-08	0.00E+00	2.17E-06
North Dakota	Traill County	38097	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
North Dakota	Traill County	38097	R	1,4-Dichlorobenzene	2.80E-04	2.80E-04	3.56E-04	1.72E-03	1.89E-03	3.43E-03	3.85E-03	3.85E-03	3.85E-03	0.00E+00	1.89E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-04
North Dakota	Traill County	38097	R	1,3-Dichloropropene	5.62E-04	5.62E-04	7.21E-04	3.51E-03	3.86E-03	7.00E-03	7.84E-03	7.84E-03	7.84E-03	0.00E+00	3.86E-03	0.00E+00	0.00E+00	0.00E+00	5.62E-04
North Dakota	Traill County	38097	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	7.43E-07	1.27E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Traill County	38097	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	7.17E-07	2.90E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Traill County	38097	R	Ethylene Oxide	8.36E-06	8.36E-06	1.46E-05	7.08E-05	1.04E-04	1.93E-04	2.65E-04	2.65E-04	2.65E-04	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	8.36E-06
North Dakota	Traill County	38097	R	Formaldehyde	3.37E-01	3.37E-01	3.42E-01	3.58E-01	3.64E-01	3.86E-01	4.02E-01	4.02E-01	4.02E-01	4.38E-06	5.08E-02	1.69E-02	4.62E-02	2.50E-01	3.37E-01
North Dakota	Traill County	38097	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.35E-05	9.37E-05	9.37E-05	9.37E-05	0.00E+00	2.93E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Traill County	38097	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	1.36E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Traill County	38097	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
North Dakota	Traill County	38097	R	Hydrazine	9.61E-12	9.61E-12	1.28E-11	2.04E-11	2.39E-11	3.51E-11	4.54E-11	4.54E-11	4.54E-11	0.00E+00	2.39E-11	0.00E+00	0.00E+00	0.00E+00	9.61E-12
North Dakota	Traill County	38097	R	Lead Compounds	7.48E-06	7.48E-06	3.20E-05	6.06E-05	6.20E-05	9.21E-05	1.19E-04	1.19E-04	1.19E-04	8.41E-06	2.64E-05	0.00E+00	2.72E-05	0.00E+00	7.48E-06
North Dakota	Traill County	38097	R	Manganese Compounds	7.20E-06	7.20E-06	7.25E-06	9.50E-06	1.30E-05	1.87E-05	2.57E-05	2.57E-05	2.57E-05	8.44E-06	3.38E-06	6.25E-07	5.25E-07	0.00E+00	7.20E-06
North Dakota	Traill County	38097	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.48E-06	3.57E-06	4.17E-06	5.93E-06	1.50E-03	1.51E-03
North Dakota	Traill County	38097	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.58E-01											

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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
North Dakota	Walsh County	38099	R	Arsenic Compounds	3.21E-06	3.21E-06	5.45E-06	1.15E-05	1.13E-05	1.67E-05	1.93E-05	1.93E-05	1.92E-06	8.87E-07	2.53E-06	5.92E-06	0.00E+00
North Dakota	Walsh County	38099	R	Benzene	5.56E-01	5.56E-01	5.61E-01	6.24E-01	6.39E-01	7.20E-01	7.47E-01	7.47E-01	7.66E-06	1.15E-01	3.13E-02	1.24E-02	4.80E-01
North Dakota	Walsh County	38099	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
North Dakota	Walsh County	38099	R	Beryllium Compounds	5.90E-08	5.90E-08	2.18E-07	5.11E-07	4.95E-07	7.93E-07	8.75E-07	8.75E-07	1.01E-07	3.11E-07	0.00E+00	8.19E-08	0.00E+00
North Dakota	Walsh County	38099	R	1,3-Butadiene	8.64E-03	8.64E-03	1.34E-02	2.50E-02	2.70E-02	4.46E-02	4.57E-02	4.57E-02	0.00E+00	2.30E-02	2.83E-03	1.24E-03	0.00E+00
North Dakota	Walsh County	38099	R	Cadmium Compounds	1.47E-07	1.47E-07	4.43E-07	9.73E-07	8.48E-07	1.27E-06	1.28E-06	1.28E-06	2.53E-07	5.12E-07	0.00E+00	8.17E-08	0.00E+00
North Dakota	Walsh County	38099	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.72E-02	4.73E-02	4.74E-02	4.79E-02	4.79E-02	7.66E-07	2.67E-04	0.00E+00	0.00E+00	4.70E-02
North Dakota	Walsh County	38099	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	4.02E-05	0.00E+00	0.00E+00	8.80E-01
North Dakota	Walsh County	38099	R	Chloroform	8.31E-02	8.31E-02	8.32E-02	8.37E-02	8.39E-02	8.47E-02	8.54E-02	8.54E-02	5.52E-08	9.40E-04	0.00E+00	0.00E+00	8.30E-02
North Dakota	Walsh County	38099	R	Chromium Compounds (includes Hexavalent)	2.89E-07	2.89E-07	1.59E-06	4.40E-06	3.74E-06	5.81E-06	5.96E-06	5.96E-06	1.33E-06	7.09E-07	1.56E-06	1.44E-07	0.00E+00
North Dakota	Walsh County	38099	R	Chromium VI	1.11E-07	1.11E-07	7.67E-07	1.95E-06	1.70E-06	2.51E-06	2.90E-06	2.90E-06	7.27E-07	3.21E-07	6.01E-07	4.90E-08	0.00E+00
North Dakota	Walsh County	38099	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
North Dakota	Walsh County	38099	R	1,4-Dichlorobenzene	1.44E-04	1.44E-04	3.31E-04	1.50E-03	2.20E-03	4.01E-03	5.72E-03	5.72E-03	0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	1,3-Dichloropropene	2.81E-04	2.81E-04	6.55E-04	3.05E-03	4.49E-03	8.19E-03	1.17E-02	1.17E-02	0.00E+00	4.49E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	7.71E-03	1.12E-06	5.79E-08	0.00E+00	0.00E+00	7.70E-03
North Dakota	Walsh County	38099	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	2.36E-07	3.22E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	Walsh County	38099	R	Ethylene Oxide	3.23E-06	3.23E-06	1.01E-05	6.14E-05	8.50E-05	1.60E-04	2.14E-04	2.14E-04	0.00E+00	8.50E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	Formaldehyde	4.27E-01	4.27E-01	4.39E-01	5.35E-01	5.51E-01	6.77E-01	6.90E-01	6.90E-01	1.43E-06	2.45E-01	1.43E-02	4.08E-02	2.50E-01
North Dakota	Walsh County	38099	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.34E-05	9.34E-05	9.34E-05	0.00E+00	2.30E-07	0.00E+00	0.00E+00	9.30E-05
North Dakota	Walsh County	38099	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	1.47E-08	0.00E+00	0.00E+00	1.80E-03
North Dakota	Walsh County	38099	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
North Dakota	Walsh County	38099	R	Hydrazine	7.94E-11	7.94E-11	4.73E-10	2.86E-09	2.18E-08	2.53E-08	9.95E-08	9.95E-08	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	Lead Compounds	2.91E-06	2.91E-06	8.58E-06	1.05E-04	1.27E-04	2.34E-04	3.04E-04	3.04E-04	3.71E-06	8.75E-05	0.00E+00	3.55E-05	0.00E+00
North Dakota	Walsh County	38099	R	Manganese Compounds	4.65E-07	4.65E-07	2.80E-06	6.14E-06	5.24E-06	6.99E-06	8.93E-06	8.93E-06	2.36E-06	1.91E-06	5.17E-07	4.61E-07	0.00E+00
North Dakota	Walsh County	38099	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	4.90E-07	1.71E-06	2.93E-06	5.09E-06	1.50E-03
North Dakota	Walsh County	38099	R	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.57E-01	1.60E-01	1.67E-01	1.75E-01	1.75E-01	1.65E-06	9.81E-03	0.00E+00	0.00E+00	1.50E-01
North Dakota	Walsh County	38099	R	Nickel Compounds	7.74E-07	7.74E-07	3.01E-06	1.17E-05	1.12E-05	1.75E-05	2.27E-05	2.27E-05	1.31E-06	8.03E-06	1.19E-06	6.88E-07	0.00E+00
North Dakota	Walsh County	38099	R	Perchloroethylene	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.42E-01	1.43E-01	1.44E-01	1.44E-01	2.44E-07	1.93E-03	0.00E+00	0.00E+00	1.40E-01
North Dakota	Walsh County	38099	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.82E-04	3.95E-04	3.97E-04	4.10E-04	4.19E-04	4.19E-04	0.00E+00	1.70E-05	0.00E+00	0.00E+00	3.80E-04
North Dakota	Walsh County	38099	R	Polycyclic Organic Matter	3.68E-03	3.68E-03	3.70E-03	7.52E-03	8.06E-03	1.22E-02	1.37E-02	1.37E-02	4.34E-07	7.23E-03	5.42E-04	2.88E-04	0.00E+00
North Dakota	Walsh County	38099	R	7-PAH	8.82E-04	8.82E-04	1.37E-03	2.23E-03	2.18E-03	3.19E-03	3.20E-03	3.20E-03	2.29E-09	2.18E-03	3.55E-06	1.93E-06	0.00E+00
North Dakota	Walsh County	38099	R	Propylene Dichloride	1.95E-07	1.95E-07	9.77E-07	1.14E-06	1.65E-06	2.05E-06	4.43E-06	4.43E-06	0.00E+00	1.65E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	Quinoline	1.26E-09	1.26E-09	6.00E-09	1.51E-08	6.24E-08	7.05E-08	2.66E-07	2.66E-07	0.00E+00	6.24E-08	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	1,1,2,2-Tetrachloroethane	1.57E-06	1.57E-06	1.96E-06	5.04E-06	7.95E-06	1.62E-05	1.79E-05	1.79E-05	0.00E+00	7.95E-06	0.00E+00	0.00E+00	0.00E+00
North Dakota	Walsh County	38099	R	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.18E-02	8.20E-02	8.26E-02	8.36E-02	8.36E-02	0.00E+00	1.02E-03	0.00E+00	0.00E+00	8.10E-02
North Dakota	Walsh County	38099	R	Vinyl Chloride	3.92E-06	3.92E-06	5.87E-06	1.35E-05	2.14E-05	4.42E-05	4.76E-05	4.76E-05	0.00E+00	2.14E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ward County	38101	U	Acetaldehyde	1.31E-02	2.42E-02	5.28E-02	1.17E-01	1.22E-01	1.83E-01	1.94E-01	2.60E-01	0.00E+00	3.78E-02	3.13E-02	5.33E-02	0.00E+00
North Dakota	Ward County	38101	U	Aroclor	5.10E-04	4.48E-03	1.55E-02	2.67E-02	2.72E-02	3.53E-02	5.05E-02	6.14E-02	0.00E+00	2.16E-02	3.82E-03	1.87E-03	0.00E+00
North Dakota	Ward County	38101	U	Acrylonitrile	6.13E-06	1.15E-05	2.73E-05	5.50E-05	7.10E-05	7.92E-05	1.14E-04	3.00E-04	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ward County	38101	U	Arsenic Compounds	1.49E-06	2.32E-06	3.61E-06	1.73E-05	1.65E-05	2.60E-05	3.44E-05	3.77E-05	0.00E+00	3.74E-06	5.65E-06	7.08E-06	0.00E+00
North Dakota	Ward County	38101	U	Benzene	4.85E-01	5.02E-01	5.27E-01	7.07E-01	7.13E-01	8.98E-01	9.14E-01	1.04E+00	0.00E+00	1.01E-01	1.02E-01	3.03E-02	4.80E-01
North Dakota	Ward County	38101	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
North Dakota	Ward County	38101	U	Beryllium Compounds	1.99E-07	2.47E-07	4.22E-07	1.80E-06	2.05E-06	3.41E-06	3.80E-06	6.48E-06	0.00E+00	1.28E-06	0.00E+00	7.79E-07	0.00E+00
North Dakota	Ward County	38101	U	1,3-Butadiene	3.08E-04	1.22E-03	4.47E-03	2.08E-02	2.38E-02	4.46E-02	5.10E-02	6.05E-02	0.00E+00	9.69E-03	1.03E-02	3.74E-03	0.00E+00
North Dakota	Ward County	38101	U	Cadmium Compounds	3.35E-07	3.71E-07	5.18E-07	2.27E-06	2.58E-06	4.19E-06	4.93E-06	7.95E-06	0.00E+00	1.80E-06	0.00E+00	7.78E-07	0.00E+00
North Dakota	Ward County	38101	U	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.74E-02	4.74E-02	4.80E-02	5.01E-02	0.00E+00	4.28E-04	0.00E+00	0.00E+00	4.70E-02
North Dakota	Ward County	38101	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	1.62E-04	0.00E+00	0.00E+00	8.80E-01
North Dakota	Ward County	38101	U	Chloroform	8.30E-02	8.31E-02	8.34E-02	9.02E-02	9.09E-02	9.66E-02	1.01E-01	1.02E-01	0.00E+00	7.85E-03	0.00E+00	0.00E+00	8.30E-02
North Dakota	Ward County	38101	U	Chromium Compounds (includes Hexavalent)	2.52E-07	5.55E-07	9.84E-07	7.77E-06	7.71E-06	1.38E-05	1.65E-05	2.02E-05	0.00E+00	2.58E-06	4.59E-06	5.40E-07	0.00E+00
North Dakota	Ward County	38101	U	Chromium VI	9.49E-08	2.03E-07	3.73E-07	3.18E-06	3.22E-06	5.77E-06	6.70E-06	8.91E-06	0.00E+00	1.22E-06	1.82E-06	1.84E-07	0.00E+00
North Dakota	Ward County	38101	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
North Dakota	Ward County	38101	U	1,4-Dichlorobenzene	5.68E-05	1.06E-04	5.20E-04	9.06E-03	9.60E-03	1.81E-02	2.03E-02	2.19E-02	0.00E+00	9.60E-03	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ward County	38101	U	1,3-Dichloropropene	1.09E-04	2.09E-04	1.03E-03	1.85E-02	1.96E-02	3.70E-02	4.15E-02	4.47E-02	0.00E+00	1.96E-02	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ward County	38101	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	1.86E-08	0.00E+00	0.00E+00	7.70E-03
North Dakota	Ward County	38101	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	5.12E-06	0.00E+00	0.00E+00	6.10E-02
North Dakota	Ward County	38101	U	Ethylene Oxide	3.70E-07	4.44E-06	2.16E-05	4.00E-04	5.48E-04	7.15E-04	1.16E-03	3.09E-03	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00
North Dakota	Ward County	38101	U	Formaldehyde	2.65E-01</												

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Ward County	38101	U	Methylene Chloride	1.50E-01	1.51E-01	1.52E-01	1.83E-01	1.90E-01	2.13E-01	2.23E-01	3.01E-01	0.00E+00	4.01E-02	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Ward County	38101	U	Nickel Compounds	5.26E-07	9.01E-07	1.90E-06	2.23E-05	2.53E-05	3.92E-05	5.32E-05	9.60E-05	0.00E+00	2.07E-05	3.48E-06	1.12E-06	0.00E+00	
North Dakota	Ward County	38101	U	Perchloroethylene	1.40E-01	1.40E-01	1.42E-01	1.51E-01	1.50E-01	1.54E-01	1.62E-01	1.63E-01	0.00E+00	9.69E-03	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Ward County	38101	U	Polychlorinated Biphenyls	3.80E-04	3.81E-04	3.82E-04	4.04E-04	4.01E-04	4.13E-04	4.32E-04	4.33E-04	0.00E+00	2.12E-05	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Ward County	38101	U	Polycyclic Organic Matter	1.54E-04	1.07E-03	2.65E-03	1.21E-02	1.31E-02	2.49E-02	2.61E-02	3.08E-02	0.00E+00	1.07E-02	1.56E-03	8.00E-04	0.00E+00	
North Dakota	Ward County	38101	U	7-PAH	5.40E-06	1.52E-04	5.66E-04	9.69E-04	1.09E-03	1.63E-03	2.12E-03	2.64E-03	0.00E+00	1.07E-03	1.02E-05	6.61E-06	0.00E+00	
North Dakota	Ward County	38101	U	Propylene Dichloride	3.67E-07	6.44E-07	1.65E-06	2.69E-06	3.14E-06	3.28E-06	6.82E-06	9.60E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Ward County	38101	U	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-13	0.00E+00	0.00E+00	1.40E-11	0.00E+00	9.97E-13	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Ward County	38101	U	1,1,2,2-Tetrachloroethane	3.32E-06	5.47E-06	1.32E-05	1.57E-05	1.86E-05	2.15E-05	2.77E-05	6.24E-05	0.00E+00	1.86E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Ward County	38101	U	Trichloroethylene	8.10E-02	8.11E-02	8.12E-02	8.51E-02	8.64E-02	9.04E-02	9.11E-02	1.05E-01	0.00E+00	5.39E-03	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Ward County	38101	U	Vinyl Chloride	8.17E-06	1.35E-05	3.26E-05	3.88E-05	4.61E-05	5.29E-05	6.82E-05	1.54E-04	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	R	Acetaldehyde	3.15E-02	3.15E-02	3.15E-02	6.55E-02	5.52E-02	6.85E-02	6.85E-02	6.85E-02	0.00E+00	1.56E-02	1.12E-02	2.84E-02	0.00E+00	
North Dakota	Wells County	38103	R	Acrolein	1.49E-03	1.49E-03	1.49E-03	1.96E-03	3.14E-03	5.97E-03	5.97E-03	5.97E-03	0.00E+00	1.05E-03	1.38E-03	7.07E-04	0.00E+00	
North Dakota	Wells County	38103	R	Acrylonitrile	9.68E-07	9.68E-07	9.68E-07	6.21E-06	8.26E-06	1.76E-05	1.76E-05	1.76E-05	0.00E+00	8.26E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	R	Arsenic Compounds	3.14E-06	3.14E-06	3.14E-06	3.77E-06	9.17E-06	2.06E-05	2.06E-05	2.06E-05	0.00E+00	1.49E-06	3.95E-06	3.72E-06	0.00E+00	
North Dakota	Wells County	38103	R	Benzene	4.91E-01	4.91E-01	4.91E-01	4.92E-01	5.30E-01	6.08E-01	6.08E-01	6.08E-01	0.00E+00	8.37E-03	3.44E-02	7.45E-03	4.80E-01	
North Dakota	Wells County	38103	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	
North Dakota	Wells County	38103	R	Beryllium Compounds	1.66E-07	1.66E-07	1.66E-07	6.11E-07	1.15E-06	2.69E-06	2.69E-06	2.69E-06	0.00E+00	4.19E-07	0.00E+00	7.35E-07	0.00E+00	
North Dakota	Wells County	38103	R	1,3-Butadiene	4.92E-04	4.92E-04	4.92E-04	6.28E-04	4.37E-03	1.20E-02	1.20E-02	1.20E-02	0.00E+00	6.04E-05	3.54E-03	7.73E-04	0.00E+00	
North Dakota	Wells County	38103	R	Cadmium Compounds	2.00E-07	2.00E-07	2.00E-07	6.51E-07	1.34E-06	3.17E-06	3.17E-06	3.17E-06	0.00E+00	6.06E-07	0.00E+00	7.34E-07	0.00E+00	
North Dakota	Wells County	38103	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	6.28E-05	0.00E+00	0.00E+00	4.70E-02	
North Dakota	Wells County	38103	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-05	0.00E+00	0.00E+00	8.80E-01	
North Dakota	Wells County	38103	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.33E-02	8.33E-02	8.33E-02	8.33E-02	0.00E+00	1.12E-04	0.00E+00	0.00E+00	8.30E-02	
North Dakota	Wells County	38103	R	Chromium Compounds (includes Hexavalent)	3.26E-07	3.26E-07	3.26E-07	5.87E-07	3.44E-06	9.41E-06	9.41E-06	9.41E-06	0.00E+00	1.01E-06	2.17E-06	2.52E-07	0.00E+00	
North Dakota	Wells County	38103	R	Chromium VI	1.24E-07	1.24E-07	1.24E-07	2.21E-07	1.33E-06	3.66E-06	3.66E-06	3.66E-06	0.00E+00	3.98E-07	8.51E-07	8.56E-08	0.00E+00	
North Dakota	Wells County	38103	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	
North Dakota	Wells County	38103	R	1,4-Dichlorobenzene	9.21E-05	9.21E-05	9.21E-05	1.64E-04	1.31E-03	3.67E-03	3.67E-03	3.67E-03	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	R	1,3-Dichloropropene	1.81E-04	1.81E-04	1.81E-04	3.23E-04	2.66E-03	7.49E-03	7.49E-03	7.49E-03	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	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	1.52E-09	0.00E+00	0.00E+00	7.70E-03	
North Dakota	Wells County	38103	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	4.88E-07	0.00E+00	0.00E+00	6.10E-02	
North Dakota	Wells County	38103	R	Ethylene Oxide	2.85E-06	2.85E-06	2.85E-06	1.69E-05	2.81E-04	8.22E-04	8.22E-04	8.22E-04	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	R	Formaldehyde	2.90E-01	2.90E-01	2.90E-01	3.19E-01	3.15E-01	3.37E-01	3.37E-01	3.37E-01	0.00E+00	1.39E-02	1.51E-02	3.61E-02	2.50E-01	
North Dakota	Wells County	38103	R	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	1.91E-07	0.00E+00	0.00E+00	9.30E-05	
North Dakota	Wells County	38103	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	9.95E-09	0.00E+00	0.00E+00	1.80E-03	
North Dakota	Wells County	38103	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	
North Dakota	Wells County	38103	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	
North Dakota	Wells County	38103	R	Lead Compounds	1.58E-06	1.58E-06	1.58E-06	3.90E-06	3.24E-05	9.17E-05	9.17E-05	9.17E-05	0.00E+00	2.99E-05	0.00E+00	2.48E-06	0.00E+00	
North Dakota	Wells County	38103	R	Manganese Compounds	4.54E-07	4.54E-07	4.54E-07	6.44E-07	3.12E-06	8.27E-06	8.27E-06	8.27E-06	0.00E+00	2.15E-06	6.27E-07	3.43E-07	0.00E+00	
North Dakota	Wells County	38103	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	0.00E+00	1.58E-06	4.63E-06	3.98E-06	1.50E-03	
North Dakota	Wells County	38103	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.51E-01	1.57E-01	1.69E-01	1.69E-01	1.69E-01	0.00E+00	6.58E-03	0.00E+00	0.00E+00	1.50E-01	
North Dakota	Wells County	38103	R	Nickel Compounds	6.28E-07	6.28E-07	6.28E-07	9.99E-07	5.75E-06	1.56E-05	1.56E-05	1.56E-05	0.00E+00	3.53E-06	1.63E-06	5.89E-07	0.00E+00	
North Dakota	Wells County	38103	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	0.00E+00	6.88E-04	0.00E+00	0.00E+00	1.40E-01	
North Dakota	Wells County	38103	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.93E-04	4.15E-04	4.15E-04	4.15E-04	0.00E+00	1.27E-05	0.00E+00	0.00E+00	3.80E-04	
North Dakota	Wells County	38103	R	Polycyclic Organic Matter	6.62E-04	6.62E-04	6.62E-04	7.27E-04	2.42E-03	5.87E-03	5.87E-03	5.87E-03	0.00E+00	1.44E-03	7.05E-04	2.72E-04	0.00E+00	
North Dakota	Wells County	38103	R	7-PAH	3.94E-05	3.94E-05	3.94E-05	6.66E-05	1.08E-04	2.19E-04	2.19E-04	2.19E-04	0.00E+00	1.00E-04	5.55E-06	2.49E-06	0.00E+00	
North Dakota	Wells County	38103	R	Propylene Dichloride	5.08E-08	5.08E-08	5.08E-08	3.59E-07	3.29E-07	5.78E-07	5.78E-07	5.78E-07	0.00E+00	3.29E-07	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	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	
North Dakota	Wells County	38103	R	1,1,2,2-Tetrachloroethane	3.97E-07	3.97E-07	3.97E-07	1.05E-06	1.53E-06	3.15E-06	3.15E-06	3.15E-06	0.00E+00	1.53E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Wells County	38103	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.11E-02	8.16E-02	8.28E-02	8.28E-02	8.28E-02	0.00E+00	6.33E-04	0.00E+00	0.00E+00	8.10E-02	
North Dakota	Wells County	38103	R	Vinyl Chloride	9.78E-07	9.78E-07	9.78E-07	2.67E-06	3.80E-06	7.76E-06	7.76E-06	7.76E-06	0.00E+00	3.80E-06	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Williams County	38105	U	Acetaldehyde	1.27E-01	1.27E-01	2.98E-01	6.55E-01	6.03E-01	9.14E-01	1.00E+00	1.00E+00	6.76E-04	5.45E-01	3.76E-02	2.00E-02	0.00E+00	
North Dakota	Williams County	38105	U	Acrolein	5.62E-02	5.62E-02	1.23E-01	5.49E-01	5.66E-01	1.08E+00	1.09E+00	1.09E+00	0.00E+00	5.60E-01	4.41E-03	1.18E-03	0.00E+00	
North Dakota	Williams County	38105	U	Acrylonitrile	4.78E-06	4.78E-06	9.89E-06	4.53E-05	3.92E-05	6.26E-05	8.95E-05	8.95E-05	0.00E+00	3.92E-05	0.00E+00	0.00E+00	0.00E+00	
North Dakota	Williams County	38105	U	Arsenic Compounds	2.21E-06	2.21E-06	2.67E-06	8.98E-06	1.71E-05	3.19E-05	4.77E-05	4.77E-05	0.00E+00	3.27E-06	1.00E-05	3.85E-06	0.00E+00	
North Dakota	Williams County	38105	U	Benzene	5.77E-01	5.77E-01	7.07E-01	1.48E+00	1.72E+00	2.91E+00	3.17E+00	3.17E+00	2.45E-04	1.10E+00	1.19E-01	2.20E-02	4.80E-01	
North Dakota	Williams County	38105	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	
North Dakota	Williams County	38105	U	Beryllium Compounds	2.94E-07	2.94E-07												

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Estimated Annual Average Ambient Concentrations µg/m3 for North 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	
North Dakota	Williams County	38105	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
North Dakota	Williams County	38105	U	1,4-Dichlorobenzene	1.62E-04	1.62E-04	1.97E-04	3.28E-03	7.43E-03	1.66E-02	2.13E-02	2.13E-02	0.00E+00	7.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	1,3-Dichloropropene	3.14E-04	3.14E-04	3.86E-04	6.67E-03	1.52E-02	3.39E-02	4.36E-02	4.36E-02	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Williams County	38105	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	6.51E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Dakota	Williams County	38105	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	2.07E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Dakota	Williams County	38105	U	Ethylene Oxide	3.51E-06	3.51E-06	6.43E-06	7.86E-05	6.86E-04	8.09E-04	3.54E-03	3.54E-03	0.00E+00	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	Formaldehyde	5.52E-01	5.52E-01	8.25E-01	2.42E+00	2.78E+00	5.31E+00	5.38E+00	5.38E+00	6.81E-03	2.45E+00	4.87E-02	2.65E-02	2.50E-01	
North Dakota	Williams County	38105	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	9.87E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Dakota	Williams County	38105	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	4.93E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Dakota	Williams County	38105	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
North Dakota	Williams County	38105	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
North Dakota	Williams County	38105	U	Lead Compounds	1.16E-05	1.16E-05	1.37E-05	3.95E-04	3.27E-04	5.10E-04	8.71E-04	8.71E-04	0.00E+00	1.83E-04	0.00E+00	1.44E-04	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	Manganese Compounds	7.92E-07	7.92E-07	8.06E-07	4.00E-06	9.26E-06	1.45E-05	3.16E-05	3.16E-05	0.00E+00	6.49E-06	2.37E-06	4.02E-07	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.52E-03	1.54E-03	1.55E-03	1.65E-03	1.65E-03	0.00E+00	2.38E-05	1.08E-05	3.91E-06	1.50E-03	
North Dakota	Williams County	38105	U	Methylene Chloride	1.51E-01	1.51E-01	1.51E-01	1.61E-01	1.81E-01	2.13E-01	2.46E-01	2.46E-01	0.00E+00	3.11E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Dakota	Williams County	38105	U	Nickel Compounds	8.66E-07	8.66E-07	1.14E-06	9.97E-06	2.26E-05	4.91E-05	6.31E-05	6.31E-05	0.00E+00	1.69E-05	4.98E-06	7.22E-07	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.53E-01	1.89E-01	2.24E-01	3.02E-01	3.02E-01	0.00E+00	4.86E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Dakota	Williams County	38105	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.83E-04	3.83E-04	3.83E-04	0.00E+00	1.38E-06	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Dakota	Williams County	38105	U	Polycyclic Organic Matter	5.19E-03	5.19E-03	1.22E-02	5.37E-02	6.84E-02	1.30E-01	1.58E-01	1.58E-01	1.43E-05	6.54E-02	2.23E-03	6.67E-04	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	7-PAH	1.87E-03	1.87E-03	4.80E-03	2.04E-02	2.38E-02	4.87E-02	4.95E-02	4.95E-02	0.00E+00	2.38E-02	1.58E-05	5.61E-06	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	Propylene Dichloride	2.72E-07	2.72E-07	5.56E-07	1.63E-06	1.52E-06	2.71E-06	2.82E-06	2.82E-06	0.00E+00	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Williams County	38105	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
North Dakota	Williams County	38105	U	1,1,2,2-Tetrachloroethane	2.35E-06	2.35E-06	2.56E-06	3.73E-06	6.58E-06	5.18E-06	2.46E-05	2.46E-05	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Dakota	Williams County	38105	U	Trichloroethylene	8.11E-02	8.11E-02	8.11E-02	8.21E-02	8.44E-02	8.74E-02	9.16E-02	9.16E-02	0.00E+00	3.37E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Dakota	Williams County	38105	U	Vinyl Chloride	5.78E-06	5.78E-06	6.36E-06	9.43E-06	1.64E-05	1.28E-05	6.07E-05	6.07E-05	0.00E+00	1.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00