

US EPA ARCHIVE DOCUMENT

## 1999 DRAFT Modeled Ambient Concentrations for North Carolina: 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 Carolina

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 Carolina	Statewide	N/A	N/A	Acetaldehyde	7.58E-02	1.01E-01	1.95E-01	3.76E-01	4.95E-01	6.09E-01	9.89E-01	1.33E+00	1.10E-01	2.44E-02	3.03E-01	5.69E-02	0.00E+00
North Carolina	Statewide	N/A	N/A	Acrolein	1.53E-02	1.94E-02	3.30E-02	5.96E-02	7.43E-02	9.25E-02	1.27E-01	1.55E-01	1.29E-02	1.06E-02	4.19E-02	8.95E-03	0.00E+00
North Carolina	Statewide	N/A	N/A	Acrylonitrile	4.89E-05	7.98E-05	1.80E-04	3.91E-04	9.05E-04	8.04E-04	1.76E-03	3.11E-03	1.55E-04	7.50E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Arsenic Compounds	2.05E-05	3.20E-05	6.79E-05	1.53E-04	5.12E-04	2.37E-04	4.22E-04	1.13E-03	4.33E-04	2.79E-05	4.04E-05	1.05E-05	0.00E+00
North Carolina	Statewide	N/A	N/A	Benzene	6.09E-01	6.53E-01	7.92E-01	1.09E+00	1.22E+00	1.44E+00	1.87E+00	2.32E+00	2.47E-02	1.05E-01	5.15E-01	9.89E-02	4.80E-01
North Carolina	Statewide	N/A	N/A	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-06	0.00E+00	8.86E-11	1.14E-06	4.89E-06	3.58E-12	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Beryllium Compounds	1.55E-06	3.51E-06	9.35E-06	1.97E-05	3.63E-05	3.82E-05	7.58E-05	1.07E-04	1.94E-05	6.58E-05	0.00E+00	4.14E-07	0.00E+00
North Carolina	Statewide	N/A	N/A	1,3-Butadiene	5.00E-03	6.69E-03	1.15E-02	2.87E-02	4.72E-02	5.55E-02	1.02E-01	1.51E-01	2.25E-03	1.63E-03	3.38E-02	9.57E-03	0.00E+00
North Carolina	Statewide	N/A	N/A	Cadmium Compounds	3.70E-06	5.23E-06	1.05E-05	2.53E-05	6.48E-04	8.76E-05	7.09E-04	1.57E-03	6.29E-04	1.84E-05	0.00E+00	4.32E-07	0.00E+00
North Carolina	Statewide	N/A	N/A	Carbon Disulfide	4.72E-02	4.75E-02	4.78E-02	4.88E-02	5.16E-02	5.07E-02	5.38E-02	5.82E-02	2.42E-03	2.16E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Statewide	N/A	N/A	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.83E-01	8.85E-01	7.04E-04	3.28E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Statewide	N/A	N/A	Chloroform	8.56E-02	8.67E-02	9.08E-02	1.02E-01	1.17E-01	1.24E-01	1.53E-01	1.75E-01	1.18E-02	2.24E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Statewide	N/A	N/A	Chromium Compounds (includes Hexavalent)	4.70E-05	1.33E-04	2.92E-04	6.06E-04	1.35E-03	1.26E-03	2.67E-03	3.96E-03	8.69E-04	4.44E-04	3.33E-05	1.50E-06	0.00E+00
North Carolina	Statewide	N/A	N/A	Chromium VI	2.37E-05	5.70E-05	1.27E-04	2.65E-04	6.97E-04	6.68E-04	1.51E-03	2.27E-03	4.87E-04	1.97E-04	1.33E-05	5.11E-07	0.00E+00
North Carolina	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 Carolina	Statewide	N/A	N/A	1,4-Dichlorobenzene	3.01E-03	4.39E-03	8.73E-03	1.98E-02	2.20E-02	3.36E-02	4.24E-02	4.80E-02	1.93E-05	2.20E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	1,3-Dichloropropene	5.87E-03	8.38E-03	1.63E-02	3.81E-02	4.30E-02	6.59E-02	8.39E-02	9.40E-02	2.15E-04	4.28E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.60E-07	5.51E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Statewide	N/A	N/A	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.16E-02	6.12E-02	6.17E-02	6.22E-02	9.70E-05	4.84E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Statewide	N/A	N/A	Ethylene Oxide	5.24E-05	8.62E-05	2.61E-04	7.66E-04	2.02E-03	1.80E-03	3.48E-03	5.92E-03	6.53E-04	1.36E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Formaldehyde	3.39E-01	3.70E-01	4.60E-01	6.50E-01	7.75E-01	8.85E-01	1.16E+00	1.43E+00	1.33E-01	4.48E-02	2.50E-01	9.75E-02	2.50E-01
North Carolina	Statewide	N/A	N/A	Hexachlorobenzene	9.32E-05	9.32E-05	9.34E-05	9.36E-05	9.39E-05	9.40E-05	9.46E-05	9.53E-05	4.14E-08	8.61E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	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	3.75E-10	4.16E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Statewide	N/A	N/A	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	5.32E-08	4.00E-06	1.75E-04	1.31E-04	5.66E-04	8.01E-04	1.61E-04	1.40E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Hydrazine	2.00E-10	4.32E-10	1.48E-09	8.12E-09	6.00E-06	8.26E-08	9.59E-06	2.02E-05	1.53E-07	5.84E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Lead Compounds	1.06E-04	1.71E-04	3.39E-04	6.66E-04	1.97E-03	1.51E-03	3.86E-03	6.10E-03	8.91E-04	6.46E-04	0.00E+00	4.37E-04	0.00E+00
North Carolina	Statewide	N/A	N/A	Manganese Compounds	1.35E-04	2.25E-04	3.96E-04	9.71E-04	2.50E-03	2.25E-03	4.31E-03	6.81E-03	1.32E-03	1.17E-03	1.07E-05	1.30E-06	0.00E+00
North Carolina	Statewide	N/A	N/A	Mercury Compounds	1.51E-03	1.52E-03	1.54E-03	1.59E-03	1.64E-03	1.66E-03	1.81E-03	1.95E-03	3.20E-05	5.52E-05	4.05E-05	8.74E-06	1.50E-03
North Carolina	Statewide	N/A	N/A	Methylene Chloride	1.64E-01	1.72E-01	1.97E-01	2.69E-01	3.77E-01	4.31E-01	6.62E-01	8.73E-01	8.87E-02	1.38E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Statewide	N/A	N/A	Nickel Compounds	5.89E-05	8.72E-05	1.63E-04	2.72E-04	5.18E-04	4.56E-04	8.76E-04	1.64E-03	2.60E-04	2.27E-04	2.48E-05	5.84E-06	0.00E+00
North Carolina	Statewide	N/A	N/A	Perchloroethylene	1.45E-01	1.47E-01	1.56E-01	1.77E-01	1.94E-01	2.15E-01	2.56E-01	2.88E-01	1.55E-03	5.28E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Statewide	N/A	N/A	Polychlorinated Biphenyls	3.99E-04	4.04E-04	4.13E-04	4.45E-04	4.60E-04	4.90E-04	5.37E-04	5.74E-04	6.81E-07	7.94E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Statewide	N/A	N/A	Polycyclic Organic Matter	8.25E-03	1.19E-02	2.26E-02	4.11E-02	4.41E-02	5.81E-02	7.46E-02	8.89E-02	4.08E-03	2.63E-02	1.16E-02	2.09E-03	0.00E+00
North Carolina	Statewide	N/A	N/A	7-PAH	5.00E-04	6.37E-04	9.02E-04	1.17E-03	1.24E-03	1.51E-03	1.94E-03	2.24E-03	2.04E-06	1.15E-03	7.54E-05	1.95E-05	0.00E+00
North Carolina	Statewide	N/A	N/A	Propylene Dichloride	3.03E-06	5.76E-06	1.04E-05	2.00E-05	8.02E-05	4.45E-05	8.07E-05	1.32E-04	4.68E-05	3.33E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Quinoline	5.20E-09	1.68E-08	4.94E-08	1.30E-07	1.27E-06	3.06E-07	8.00E-07	2.39E-06	0.00E+00	1.27E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	1.06E-05	2.09E-05	4.37E-05	9.25E-05	2.56E-04	2.28E-04	4.43E-04	7.73E-04	7.41E-05	1.82E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Statewide	N/A	N/A	Trichloroethylene	8.22E-02	8.30E-02	8.56E-02	9.48E-02	1.08E-01	1.11E-01	1.34E-01	1.63E-01	5.65E-03	2.13E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Statewide	N/A	N/A	Vinyl Chloride	3.63E-05	6.34E-05	1.54E-04	3.12E-04	7.15E-04	6.82E-04	1.23E-03	2.00E-03	1.85E-04	3.00E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Acetaldehyde	1.54E-01	2.16E-01	3.40E-01	5.18E-01	6.29E-01	7.70E-01	1.17E+00	1.54E+00	1.15E-01	3.02E-02	4.06E-01	7.75E-02	0.00E+00
North Carolina	All Urban Counties	N/A	U	Acrolein	2.92E-02	3.81E-02	5.58E-02	8.01E-02	8.52E-02	1.06E-01	1.37E-01	1.63E-01	5.99E-03	1.16E-02	5.52E-02	1.25E-02	0.00E+00
North Carolina	All Urban Counties	N/A	U	Acrylonitrile	1.23E-04	1.58E-04	2.88E-04	5.09E-04	1.09E-03	9.60E-04	1.98E-03	3.20E-03	2.20E-04	8.73E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Arsenic Compounds	4.26E-05	5.57E-05	1.08E-04	1.77E-04	2.67E-04	2.55E-04	4.04E-04	5.42E-04	1.69E-04	3.12E-05	5.26E-05	1.39E-05	0.00E+00
North Carolina	All Urban Counties	N/A	U	Benzene	7.22E-01	8.13E-01	1.01E+00	1.30E+00	1.41E+00	1.61E+00	2.06E+00	2.60E+00	5.38E-03	1.12E-01	6.80E-01	1.31E-01	4.80E-01
North Carolina	All Urban Counties	N/A	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	4.54E-12	8.98E-07	1.43E-06	8.02E-06	5.89E-12	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Beryllium Compounds	6.29E-06	8.56E-06	1.55E-05	2.43E-05	4.50E-05	4.79E-05	8.69E-05	1.71E-04	2.07E-05	2.39E-05	0.00E+00	5.00E-07	0.00E+00
North Carolina	All Urban Counties	N/A	U	1,3-Butadiene	8.49E-03	1.09E-02	2.10E-02	4.15E-02	5.89E-02	6.98E-02	1.25E-01	1.81E-01	1.50E-04	1.48E-03	4.41E-02	1.32E-02	0.00E+00

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 Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina

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 Carolina	All Urban Counties	N/A	U	Cadmium Compounds	5.56E-06	7.06E-06	1.63E-05	3.36E-05	9.89E-04	2.15E-04	1.28E-03	2.17E-03	9.66E-04	2.25E-05	0.00E+00	4.99E-07	0.00E+00
North Carolina	All Urban Counties	N/A	U	Carbon Disulfide	4.75E-02	4.77E-02	4.80E-02	4.91E-02	5.21E-02	5.13E-02	5.43E-02	5.87E-02	2.81E-03	2.31E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	All Urban Counties	N/A	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.84E-01	8.85E-01	5.91E-04	4.21E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	All Urban Counties	N/A	U	Chloroform	8.79E-02	9.02E-02	9.75E-02	1.11E-01	1.19E-01	1.32E-01	1.54E-01	1.69E-01	5.86E-03	3.02E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	All Urban Counties	N/A	U	Chromium Compounds (includes Hexavalent)	1.84E-04	2.39E-04	3.98E-04	7.00E-04	1.16E-03	1.20E-03	2.46E-03	3.55E-03	6.37E-04	4.73E-04	4.46E-05	1.94E-06	0.00E+00
North Carolina	All Urban Counties	N/A	U	Chromium VI	6.93E-05	9.09E-05	1.47E-04	3.05E-04	6.25E-04	6.50E-04	1.43E-03	2.21E-03	4.02E-04	2.05E-04	1.78E-05	6.61E-07	0.00E+00
North Carolina	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 Carolina	All Urban Counties	N/A	U	1,4-Dichlorobenzene	6.69E-03	9.30E-03	1.73E-02	2.91E-02	2.82E-02	3.79E-02	4.59E-02	5.08E-02	2.97E-05	2.82E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	1,3-Dichloropropene	1.27E-02	1.77E-02	3.27E-02	5.69E-02	5.54E-02	7.49E-02	9.11E-02	1.02E-01	0.00E+00	5.54E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.21E-07	6.51E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	All Urban Counties	N/A	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.18E-02	6.13E-02	6.18E-02	6.32E-02	1.04E-04	7.33E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	All Urban Counties	N/A	U	Ethylene Oxide	1.34E-04	2.47E-04	5.53E-04	1.16E-03	2.23E-03	2.35E-03	4.02E-03	6.47E-03	4.43E-04	1.79E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Formaldehyde	4.17E-01	4.66E-01	5.91E-01	7.71E-01	8.27E-01	9.63E-01	1.24E+00	1.49E+00	7.03E-02	4.61E-02	3.27E-01	1.33E-01	2.50E-01
North Carolina	All Urban Counties	N/A	U	Hexachlorobenzene	9.32E-05	9.33E-05	9.34E-05	9.37E-05	9.40E-05	9.40E-05	9.47E-05	9.55E-05	4.89E-08	9.49E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	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	6.15E-10	5.20E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	All Urban Counties	N/A	U	Hexamethylene Diisocyanate	0.00E+00	6.93E-08	6.42E-07	3.09E-05	2.65E-04	3.23E-04	7.26E-04	9.27E-04	2.45E-04	1.97E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Hydrazine	4.54E-10	7.22E-10	2.21E-09	1.60E-08	9.56E-06	6.18E-07	1.74E-05	3.07E-05	4.82E-08	9.53E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Lead Compounds	2.27E-04	3.21E-04	5.23E-04	9.62E-04	1.90E-03	1.89E-03	4.27E-03	6.67E-03	4.18E-04	9.35E-04	0.00E+00	5.44E-04	0.00E+00
North Carolina	All Urban Counties	N/A	U	Manganese Compounds	2.33E-04	2.99E-04	6.30E-04	1.51E-03	3.38E-03	3.13E-03	5.48E-03	9.65E-03	1.88E-03	1.48E-03	1.43E-05	1.50E-06	0.00E+00
North Carolina	All Urban Counties	N/A	U	Mercury Compounds	1.53E-03	1.54E-03	1.57E-03	1.62E-03	1.67E-03	1.69E-03	1.88E-03	2.00E-03	2.71E-05	8.41E-05	5.18E-05	1.14E-05	1.50E-03
North Carolina	All Urban Counties	N/A	U	Methylene Chloride	1.83E-01	1.98E-01	2.44E-01	3.56E-01	4.53E-01	5.30E-01	7.84E-01	9.86E-01	1.20E-01	1.83E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	All Urban Counties	N/A	U	Nickel Compounds	8.64E-05	1.25E-04	1.97E-04	2.87E-04	4.05E-04	4.24E-04	6.62E-04	1.02E-03	1.45E-04	2.25E-04	3.31E-05	2.65E-06	0.00E+00
North Carolina	All Urban Counties	N/A	U	Perchloroethylene	1.51E-01	1.56E-01	1.70E-01	1.99E-01	2.13E-01	2.32E-01	2.76E-01	3.04E-01	1.38E-03	7.12E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	All Urban Counties	N/A	U	Polychlorinated Biphenyls	4.04E-04	4.07E-04	4.16E-04	4.59E-04	4.63E-04	4.91E-04	5.31E-04	5.57E-04	1.22E-07	8.27E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	All Urban Counties	N/A	U	Polycyclic Organic Matter	1.74E-02	2.41E-02	3.71E-02	5.03E-02	5.26E-02	6.35E-02	8.01E-02	9.51E-02	2.87E-03	3.13E-02	1.55E-02	2.91E-03	0.00E+00
North Carolina	All Urban Counties	N/A	U	7-PAH	6.64E-04	8.36E-04	1.01E-03	1.22E-03	1.30E-03	1.51E-03	1.89E-03	2.17E-03	2.37E-06	1.18E-03	9.96E-05	2.50E-05	0.00E+00
North Carolina	All Urban Counties	N/A	U	Propylene Dichloride	8.28E-06	9.44E-06	1.38E-05	2.45E-05	5.11E-05	5.03E-05	8.88E-05	1.37E-04	1.49E-05	3.62E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Quinoline	1.89E-08	2.57E-08	7.60E-08	1.48E-07	4.67E-07	3.74E-07	7.53E-07	1.58E-06	0.00E+00	4.67E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	3.49E-05	4.08E-05	5.96E-05	1.26E-04	3.19E-04	2.54E-04	5.33E-04	9.35E-04	1.19E-04	2.00E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Urban Counties	N/A	U	Trichloroethylene	8.42E-02	8.58E-02	9.25E-02	1.02E-01	1.19E-01	1.20E-01	1.47E-01	1.85E-01	8.61E-03	2.94E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	All Urban Counties	N/A	U	Vinyl Chloride	1.34E-04	1.65E-04	2.26E-04	4.10E-04	8.91E-04	7.85E-04	1.41E-03	2.44E-03	2.95E-04	5.96E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Acetaldehyde	5.47E-02	7.38E-02	1.08E-01	1.86E-01	2.88E-01	3.16E-01	5.15E-01	7.08E-01	1.04E-01	1.53E-02	1.44E-01	2.49E-02	0.00E+00
North Carolina	All Rural Counties	N/A	R	Acrolein	1.15E-02	1.46E-02	2.00E-02	3.14E-02	5.74E-02	4.82E-02	8.94E-02	1.23E-01	2.36E-02	9.04E-03	2.12E-02	3.49E-03	0.00E+00
North Carolina	All Rural Counties	N/A	R	Acrylonitrile	3.01E-05	4.52E-05	8.64E-05	2.14E-04	6.14E-04	4.84E-04	1.20E-03	2.85E-03	5.61E-05	5.58E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Arsenic Compounds	1.12E-05	1.87E-05	3.62E-05	8.43E-05	8.92E-04	1.84E-04	5.27E-04	2.13E-03	8.43E-04	2.27E-05	2.16E-05	5.21E-06	0.00E+00
North Carolina	All Rural Counties	N/A	R	Benzene	5.82E-01	6.00E-01	6.67E-01	7.86E-01	9.39E-01	1.01E+00	1.38E+00	1.75E+00	5.46E-02	9.47E-02	2.61E-01	4.91E-02	4.80E-01
North Carolina	All Rural Counties	N/A	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-08	2.37E-15	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Beryllium Compounds	8.36E-07	1.32E-06	3.98E-06	1.05E-05	2.27E-05	2.39E-05	5.25E-05	7.93E-05	1.74E-05	5.03E-06	0.00E+00	2.80E-07	0.00E+00
North Carolina	All Rural Counties	N/A	R	1,3-Butadiene	4.00E-03	4.66E-03	6.99E-03	1.25E-02	2.91E-02	2.85E-02	5.52E-02	8.16E-02	5.50E-03	1.86E-03	1.78E-02	3.91E-03	0.00E+00
North Carolina	All Rural Counties	N/A	R	Cadmium Compounds	1.82E-06	3.19E-06	6.21E-06	1.43E-05	1.20E-04	3.43E-05	1.82E-04	5.26E-04	1.07E-04	1.19E-05	0.00E+00	3.30E-07	0.00E+00
North Carolina	All Rural Counties	N/A	R	Carbon Disulfide	4.71E-02	4.72E-02	4.75E-02	4.82E-02	5.08E-02	4.98E-02	5.22E-02	5.71E-02	1.83E-03	1.93E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	All Rural Counties	N/A	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.83E-01	8.84E-01	8.80E-04	1.84E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	All Rural Counties	N/A	R	Chloroform	8.47E-02	8.54E-02	8.72E-02	9.16E-02	1.15E-01	1.10E-01	1.44E-01	1.94E-01	2.11E-02	1.09E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	All Rural Counties	N/A	R	Chromium Compounds (includes Hexavalent)	2.31E-05	4.02E-05	1.52E-04	4.06E-04	1.64E-03	1.36E-03	2.85E-03	5.51E-03	1.23E-03	3.44E-04	1.59E-05	8.18E-07	0.00E+00
North Carolina	All Rural Counties	N/A	R	Chromium VI	1.21E-05	2.17E-05	7.90E-05	2.24E-04	8.09E-04	7.12E-04	1.61E-03	2.47E-03	6.18E-04	1.84E-04	6.36E-06	2.78E-07	0.00E+00
North Carolina	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 Carolina	All Rural Counties	N/A	R	1,4-Dichlorobenzene	2.01E-03	2.80E-03	4.56E-03	8.82E-03	1.25E-02	1.66E-02	2.79E-02	3.45E-02	3.14E-06	1.25E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	1,3-Dichloropropene	4.37E-03	5.54E-03	8.51E-03	1.62E-02	2.37E-02	3.24E-02	5.27E-02	6.52E-02	5.48E-04	2.32E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	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	7.71E-03	1.29E-06	3.96E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	All Rural Counties	N/A	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.12E-02	6.14E-02	6.18E-02	8.65E-05	9.87E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	All Rural Counties	N/A	R	Ethylene Oxide	3.00E-05	4.76E-05	9.51E-05	2.88E-04	1.69E-03	8.10E-04	2.12E-03	4.35E-03	9.77E-04	7.10E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Formaldehyde	3.22E-01	3.36E-01	3.77E-01	4.67E-01	6.96E-01	6.33E-01	9.10E-01	1.18E+00	2.30E-01	4.28E-02	1.31E-01	4.18E-02	2.50E-01
North Carolina	All Rural Counties	N/A	R	Hexachlorobenzene	9.31E-05	9.32E-05	9.33E-05	9.35E-05	9.38E-05	9.41E-05	9.46E-05	9.51E-05	2.98E-08	7.24E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	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	3.46E-12	2.55E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	All Rural Counties	N/A	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	6.17E-08	3.48E-05	4.35E-06	3.67E-05	1.68E-04	2.95E-05	5.33E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Hydrazine	1.41E-11	1.01E-10	7.80E-10	3.86E-09	4.67E-07	2.67E-08	2.47E-07	1.68E-06	3.47E-07	1.20E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Lead Compounds	5.51E-05	9.53E-05	2.01E-04	3.84E-04	2.09E-03	8.04E-04	2.18E-03	4.84E-03	1.62E-03	1.97E-04	0.00E+00	2.71E-04	0.00E+00
North Carolina	All Rural Counties	N/A	R	Manganese Compounds	4.57E-05	1.12E-04	2.67E-04	5.30E-04	1.12E-03	9.55E-04							

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	All Rural Counties	N/A	R	7-PAH	4.02E-04	4.84E-04	7.06E-04	9.97E-04	1.15E-03	1.50E-03	2.04E-03	2.31E-03	1.53E-06	1.10E-03	3.79E-05	1.11E-05	0.00E+00
North Carolina	All Rural Counties	N/A	R	Propylene Dichloride	1.62E-06	2.63E-06	6.42E-06	1.38E-05	1.25E-04	3.17E-05	6.61E-05	1.02E-04	9.64E-05	2.89E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Quinoline	3.35E-10	2.80E-09	2.85E-08	9.88E-08	2.51E-06	2.47E-07	1.19E-06	7.61E-06	0.00E+00	2.51E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	5.83E-06	8.63E-06	2.20E-05	5.65E-05	1.59E-04	1.49E-04	3.13E-04	4.92E-04	4.40E-06	1.54E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	All Rural Counties	N/A	R	Trichloroethylene	8.17E-02	8.20E-02	8.31E-02	8.57E-02	9.08E-02	9.19E-02	1.06E-01	1.15E-01	1.06E-03	8.70E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	All Rural Counties	N/A	R	Vinyl Chloride	2.11E-05	3.01E-05	6.44E-05	1.46E-04	4.41E-04	4.13E-04	9.68E-04	1.36E-03	1.39E-05	4.27E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Acetaldehyde	2.21E-01	2.29E-01	2.56E-01	3.94E-01	4.18E-01	5.13E-01	6.52E-01	7.42E-01	7.06E-03	3.54E-02	3.44E-01	3.20E-02	0.00E+00
North Carolina	Alamance County	37001	U	Acrolein	3.76E-02	3.96E-02	4.51E-02	6.35E-02	6.14E-02	7.66E-02	8.06E-02	8.22E-02	3.20E-04	9.32E-03	4.67E-02	5.06E-03	0.00E+00
North Carolina	Alamance County	37001	U	Acrylonitrile	9.53E-05	1.02E-04	1.34E-04	1.79E-04	3.37E-04	2.67E-04	6.51E-04	9.38E-04	3.64E-05	3.01E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Arsenic Compounds	5.44E-05	5.81E-05	7.05E-05	8.08E-05	9.35E-05	1.13E-04	1.48E-04	1.50E-04	2.79E-05	1.71E-05	4.10E-05	7.50E-06	0.00E+00
North Carolina	Alamance County	37001	U	Benzene	7.87E-01	8.14E-01	8.81E-01	1.18E+00	1.22E+00	1.42E+00	1.73E+00	1.73E+00	5.98E-04	8.72E-02	5.90E-01	6.36E-02	4.80E-01
North Carolina	Alamance County	37001	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.47E-08	0.00E+00	0.00E+00	0.00E+00	9.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Beryllium Compounds	4.78E-06	5.17E-06	5.34E-06	8.05E-06	9.59E-06	1.35E-05	1.69E-05	2.01E-05	3.97E-06	5.14E-06	0.00E+00	4.76E-07	0.00E+00
North Carolina	Alamance County	37001	U	1,3-Butadiene	8.63E-03	8.98E-03	1.58E-02	4.42E-02	4.71E-02	6.42E-02	1.01E-01	1.02E-01	2.73E-07	9.66E-04	4.03E-02	5.86E-03	0.00E+00
North Carolina	Alamance County	37001	U	Cadmium Compounds	1.28E-05	1.39E-05	1.56E-05	2.19E-05	9.91E-05	6.95E-05	5.21E-04	5.52E-04	7.50E-05	2.35E-05	0.00E+00	4.75E-07	0.00E+00
North Carolina	Alamance County	37001	U	Carbon Disulfide	4.79E-02	4.80E-02	4.83E-02	4.86E-02	4.91E-02	4.92E-02	5.07E-02	5.24E-02	5.86E-04	1.53E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Alamance County	37001	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.84E-07	3.19E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Alamance County	37001	U	Chloroform	9.29E-02	9.34E-02	9.67E-02	1.03E-01	1.04E-01	1.11E-01	1.14E-01	1.17E-01	5.21E-07	2.09E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Alamance County	37001	U	Chromium Compounds (includes Hexavalent)	1.75E-04	1.96E-04	2.11E-04	2.30E-04	2.54E-04	2.66E-04	2.93E-04	3.05E-04	5.64E-05	1.61E-04	3.54E-05	9.71E-07	0.00E+00
North Carolina	Alamance County	37001	U	Chromium VI	8.41E-05	9.09E-05	1.07E-04	1.30E-04	1.29E-04	1.44E-04	1.52E-04	1.57E-04	3.47E-05	8.01E-05	1.41E-05	3.30E-07	0.00E+00
North Carolina	Alamance County	37001	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 Carolina	Alamance County	37001	U	1,4-Dichlorobenzene	1.05E-02	1.16E-02	1.37E-02	2.25E-02	2.27E-02	3.13E-02	3.29E-02	3.32E-02	3.99E-06	2.27E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	1,3-Dichloropropene	1.77E-02	1.88E-02	2.47E-02	4.10E-02	4.12E-02	5.93E-02	6.14E-02	6.21E-02	0.00E+00	4.12E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	1.90E-06	1.91E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Alamance County	37001	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.53E-06	3.37E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Alamance County	37001	U	Ethylene Oxide	8.36E-04	9.33E-04	1.64E-03	2.46E-03	3.81E-03	3.30E-03	5.34E-03	8.80E-03	3.49E-05	3.78E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Formaldehyde	4.72E-01	4.72E-01	5.04E-01	6.42E-01	6.73E-01	7.82E-01	9.04E-01	9.85E-01	2.40E-02	6.04E-02	2.79E-01	5.92E-02	2.50E-01
North Carolina	Alamance County	37001	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.38E-05	9.37E-05	9.39E-05	9.40E-05	9.41E-05	8.00E-12	6.97E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Alamance County	37001	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	1.74E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Alamance County	37001	U	Hexamethylene Diisocyanate	4.61E-05	6.26E-05	6.59E-05	7.25E-05	7.38E-05	7.86E-05	9.26E-05	9.77E-05	6.57E-05	8.09E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Hydrazine	1.01E-09	1.25E-09	9.19E-09	1.66E-08	2.90E-08	3.69E-08	8.36E-08	9.70E-08	3.53E-09	2.55E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Lead Compounds	5.03E-04	5.53E-04	9.64E-04	1.25E-03	1.89E-03	1.94E-03	3.78E-03	5.89E-03	4.05E-05	1.24E-03	0.00E+00	6.14E-04	0.00E+00
North Carolina	Alamance County	37001	U	Manganese Compounds	8.31E-04	8.66E-04	9.65E-04	1.06E-03	1.19E-03	1.17E-03	1.73E-03	1.96E-03	2.25E-04	9.51E-04	1.13E-05	7.94E-07	0.00E+00
North Carolina	Alamance County	37001	U	Mercury Compounds	1.55E-03	1.55E-03	1.57E-03	1.60E-03	1.61E-03	1.64E-03	1.67E-03	3.19E-05	2.74E-05	3.98E-05	6.46E-06	1.50E-03	0.00E+00
North Carolina	Alamance County	37001	U	Methylene Chloride	2.51E-01	2.57E-01	3.05E-01	3.73E-01	3.93E-01	4.43E-01	5.07E-01	6.14E-01	7.40E-02	1.69E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Alamance County	37001	U	Nickel Compounds	7.56E-05	7.60E-05	8.47E-05	9.58E-05	1.01E-04	1.17E-04	1.33E-04	1.44E-04	3.03E-05	4.35E-05	2.63E-05	1.36E-06	0.00E+00
North Carolina	Alamance County	37001	U	Perchloroethylene	1.71E-01	1.71E-01	1.90E-01	1.99E-01	2.04E-01	2.28E-01	2.29E-01	2.43E-01	1.27E-02	5.14E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Alamance County	37001	U	Polychlorinated Biphenyls	4.13E-04	4.17E-04	4.22E-04	4.72E-04	4.62E-04	4.86E-04	4.95E-04	5.06E-04	6.76E-13	8.16E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Alamance County	37001	U	Polycyclic Organic Matter	1.89E-02	1.93E-02	2.43E-02	3.78E-02	3.60E-02	4.60E-02	5.02E-02	5.57E-02	1.75E-04	2.23E-02	1.23E-02	1.20E-03	0.00E+00
North Carolina	Alamance County	37001	U	7-PAH	6.68E-04	7.10E-04	9.40E-04	1.02E-03	9.87E-04	1.11E-03	1.15E-03	1.18E-03	5.58E-08	8.98E-04	7.83E-05	1.14E-05	0.00E+00
North Carolina	Alamance County	37001	U	Propylene Dichloride	1.36E-05	1.54E-05	1.77E-05	2.04E-05	2.90E-05	2.55E-05	3.70E-05	7.27E-05	2.31E-06	2.67E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Quinoline	2.61E-08	2.64E-08	3.65E-08	7.10E-08	1.10E-07	1.34E-07	2.62E-07	3.51E-07	0.00E+00	1.10E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	1,1,2,2-Tetrachloroethane	3.67E-05	3.82E-05	4.32E-05	5.37E-05	1.31E-04	7.36E-05	1.65E-04	4.76E-04	2.02E-05	1.11E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alamance County	37001	U	Trichloroethylene	8.48E-02	8.59E-02	8.86E-02	9.30E-02	9.79E-02	9.98E-02	1.06E-01	1.10E-01	5.77E-05	1.69E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Alamance County	37001	U	Vinyl Chloride	9.33E-05	9.99E-05	1.39E-04	1.77E-04	3.56E-04	2.06E-04	4.47E-04	1.21E-03	4.96E-05	3.06E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alexander County	37003	U	Acetaldehyde	1.78E-01	1.78E-01	1.96E-01	2.38E-01	2.37E-01	2.86E-01	3.04E-01	3.04E-01	4.49E-02	3.70E-02	1.44E-01	1.06E-02	0.00E+00
North Carolina	Alexander County	37003	U	Acrolein	3.14E-02	3.14E-02	3.43E-02	3.82E-02	3.82E-02	4.24E-02	4.46E-02	4.46E-02	2.10E-03	9.41E-03	2.44E-02	2.29E-03	0.00E+00
North Carolina	Alexander County	37003	U	Acrylonitrile	1.03E-04	1.03E-04	1.28E-04	1.48E-04	1.52E-04	1.74E-04	2.24E-04	2.24E-04	9.54E-06	1.43E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Alexander County	37003	U	Arsenic Compounds	3.87E-05	3.87E-05	4.62E-05	5.13E-05	4.96E-05	5.18E-05	5.75E-05	5.75E-05	1.13E-05	1.79E-05	1.77E-05	2.67E-06	0.00E+00
North Carolina	Alexander County	37003	U	Benzene	7.06E-01	7.06E-01	7.26E-01	8.18E-01	8.18E-01	8.69E-01	9.25E-01	9.25E-01	2.11E-03	1.02E-01	2.08E-01	2.17E-02	4.80E-01
North Carolina	Alexander County	37003	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 Carolina	Alexander County	37003	U	Beryllium Compounds	4.17E-06	4.17E-06	4.64E-06	4.90E-06	5.22E-06	5.83E-06	6.73E-06	6.73E-06	9.65E-07	4.22E-06	0.00E+00	3.77E-08	0.00E+00
North Carolina	Alexander County	37003	U	1,3-Butadiene	4.78E-03	4.78E-03	7.26E-03	9.85E-03	9.45E-03	1.15E-02	1.35E-02	5.23E-06	1.41E-03	7.02E-03	1.02E-03	0.00E+00	0.00E+00
North Carolina	Alexander County	37003	U	Cadmium Compounds	5.18E-06	5.18E-06	5.82E-06	7.27E-06	7.05E-06	7.97E-06	8.80E-06	8.80E-06	1.19E-06	5.83E-06	0.00E+00	3.74E-08	0.00E+00
North Carolina	Alexander County	37003	U	Carbon Disulfide	4.74E-02	4.74E-02	4.74E-02	4.77E-02	4.77E-02	4.81E-02	4.81E-02	4.81E-02	3.78E-06	7.09E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Alexander County	37003	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	1.49E-05	1.36E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Alexander County																

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Alexander County	37003	U	Ethylene Oxide	1.15E-04	1.15E-04	1.29E-04	1.85E-04	2.08E-04	2.58E-04	3.46E-04	3.46E-04	1.86E-09	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Formaldehyde	4.17E-01	4.17E-01	4.17E-01	4.62E-01	4.57E-01	4.83E-01	4.95E-01	4.95E-01	2.09E-02	5.05E-02	1.16E-01	1.91E-02	2.50E-01	2.50E-01	
North Carolina	Alexander County	37003	U	Hexachlorobenzene	9.37E-05	9.37E-05	9.38E-05	9.42E-05	9.42E-05	9.47E-05	9.50E-05	9.50E-05	6.76E-08	1.16E-06	0.00E+00	0.00E+00	9.30E-05	9.30E-05	
North Carolina	Alexander County	37003	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.92E-07	0.00E+00	0.00E+00	1.80E-03	1.80E-03	
North Carolina	Alexander County	37003	U	Hexamethylene Diisocyanate	3.98E-08	3.98E-08	5.44E-07	1.07E-04	7.11E-05	1.36E-04	1.39E-04	1.39E-04	7.10E-05	2.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Hydrazine	8.23E-10	8.23E-10	1.39E-09	2.20E-09	1.21E-08	3.29E-08	4.23E-08	4.23E-08	0.00E+00	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Lead Compounds	1.92E-04	1.92E-04	2.15E-04	2.27E-04	2.87E-04	3.58E-04	4.46E-04	4.46E-04	1.73E-05	1.18E-04	0.00E+00	1.52E-04	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Manganese Compounds	1.15E-03	1.15E-03	1.32E-03	1.60E-03	1.64E-03	2.00E-03	2.03E-03	2.03E-03	3.17E-04	1.32E-03	3.81E-06	2.58E-07	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.54E-03	2.70E-06	7.58E-06	1.93E-05	2.25E-06	1.50E-03	1.50E-03	
North Carolina	Alexander County	37003	U	Methylene Chloride	2.39E-01	2.39E-01	2.39E-01	2.86E-01	3.04E-01	3.83E-01	3.92E-01	3.92E-01	2.90E-02	1.25E-01	0.00E+00	0.00E+00	1.50E-01	1.50E-01	
North Carolina	Alexander County	37003	U	Nickel Compounds	1.20E-04	1.20E-04	1.37E-04	1.64E-04	1.70E-04	2.05E-04	2.38E-04	2.38E-04	2.23E-05	1.38E-04	9.37E-06	3.99E-07	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Perchloroethylene	1.49E-01	1.49E-01	1.50E-01	1.54E-01	1.58E-01	1.58E-01	1.58E-01	1.91E-01	1.91E-01	2.44E-05	1.82E-02	0.00E+00	0.00E+00	1.40E-01	1.40E-01
North Carolina	Alexander County	37003	U	Polychlorinated Biphenyls	4.18E-04	4.18E-04	4.19E-04	4.55E-04	4.65E-04	5.21E-04	5.38E-04	5.38E-04	4.95E-09	8.52E-05	0.00E+00	0.00E+00	3.80E-04	3.80E-04	
North Carolina	Alexander County	37003	U	Polycyclic Organic Matter	1.74E-02	1.74E-02	2.05E-02	2.46E-02	2.46E-02	2.72E-02	3.25E-02	3.25E-02	6.70E-04	1.91E-02	4.45E-03	3.58E-04	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	7-PAH	9.40E-04	9.40E-04	9.42E-04	1.27E-03	1.29E-03	1.61E-03	1.72E-03	1.72E-03	2.11E-07	1.25E-03	3.07E-05	3.80E-06	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Propylene Dichloride	2.74E-05	2.74E-05	3.20E-05	3.43E-05	3.43E-05	3.67E-05	4.17E-05	4.17E-05	1.70E-05	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Quinoline	3.18E-08	3.18E-08	3.69E-08	6.56E-08	8.18E-08	1.32E-07	1.81E-07	1.81E-07	0.00E+00	8.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	1,1,2,2-Tetrachloroethane	3.92E-05	3.92E-05	4.09E-05	5.45E-05	5.45E-05	5.62E-05	8.72E-05	8.72E-05	5.51E-07	5.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alexander County	37003	U	Trichloroethylene	9.37E-02	9.37E-02	9.54E-02	1.07E-01	1.15E-01	1.35E-01	1.59E-01	1.59E-01	2.81E-02	6.38E-03	0.00E+00	0.00E+00	8.10E-02	8.10E-02	
North Carolina	Alexander County	37003	U	Vinyl Chloride	1.22E-04	1.22E-04	1.28E-04	1.54E-04	1.58E-04	1.60E-04	2.31E-04	2.31E-04	6.68E-06	1.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Acetaldehyde	6.14E-02	6.14E-02	6.14E-02	8.31E-02	7.80E-02	8.95E-02	8.95E-02	8.95E-02	1.32E-02	8.68E-03	4.95E-02	6.62E-03	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Acrolein	1.40E-02	1.40E-02	1.40E-02	1.73E-02	1.66E-02	1.85E-02	1.85E-02	1.85E-02	1.71E-03	7.31E-03	6.55E-03	1.04E-03	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Acrylonitrile	7.98E-05	7.98E-05	7.98E-05	8.43E-05	1.90E-04	4.07E-04	4.07E-04	4.07E-04	0.00E+00	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Arsenic Compounds	2.78E-05	2.78E-05	2.78E-05	3.20E-05	3.17E-05	3.53E-05	3.53E-05	3.53E-05	1.54E-05	7.38E-06	6.85E-06	2.09E-06	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Benzene	5.76E-01	5.76E-01	5.76E-01	6.02E-01	6.09E-01	6.48E-01	6.48E-01	6.48E-01	7.74E-04	5.72E-02	6.04E-02	1.06E-02	4.80E-01	4.80E-01	
North Carolina	Alleghany County	37005	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 Carolina	Alleghany County	37005	R	Beryllium Compounds	1.29E-06	1.29E-06	1.29E-06	2.16E-06	1.88E-06	2.20E-06	2.20E-06	2.20E-06	7.43E-08	1.80E-06	0.00E+00	1.10E-08	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	1,3-Butadiene	3.91E-03	3.91E-03	3.91E-03	4.00E-03	5.36E-03	8.16E-03	8.16E-03	8.16E-03	0.00E+00	1.83E-03	2.80E-03	7.25E-04	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Cadmium Compounds	4.71E-06	4.71E-06	4.71E-06	5.68E-06	5.59E-06	6.39E-06	6.39E-06	6.39E-06	3.02E-06	2.56E-06	0.00E+00	1.09E-08	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Carbon Disulfide	4.74E-02	4.74E-02	4.74E-02	4.75E-02	4.83E-02	5.01E-02	5.01E-02	5.01E-02	7.75E-06	1.30E-03	0.00E+00	0.00E+00	4.70E-02	4.70E-02	
North Carolina	Alleghany County	37005	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	7.00E-06	6.10E-05	0.00E+00	0.00E+00	8.80E-01	8.80E-01	
North Carolina	Alleghany County	37005	R	Chloroform	8.47E-02	8.47E-02	8.47E-02	8.55E-02	8.59E-02	8.74E-02	8.74E-02	8.74E-02	7.78E-06	2.86E-03	0.00E+00	0.00E+00	8.30E-02	8.30E-02	
North Carolina	Alleghany County	37005	R	Chromium Compounds (includes Hexavalent)	8.90E-05	8.90E-05	8.90E-05	1.27E-04	1.26E-04	1.63E-04	1.63E-04	1.63E-04	9.13E-05	3.07E-05	4.16E-06	1.33E-07	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Chromium VI	3.22E-05	3.22E-05	3.22E-05	6.08E-05	6.10E-05	8.99E-05	8.99E-05	8.99E-05	3.59E-05	2.34E-05	1.66E-06	4.54E-08	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	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 Carolina	Alleghany County	37005	R	1,4-Dichlorobenzene	2.65E-03	2.65E-03	2.65E-03	3.52E-03	3.84E-03	5.35E-03	5.35E-03	5.35E-03	0.00E+00	3.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	1,3-Dichloropropene	5.03E-03	5.03E-03	5.03E-03	6.76E-03	7.42E-03	1.05E-02	1.05E-02	1.05E-02	0.00E+00	7.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	5.31E-11	3.37E-07	0.00E+00	0.00E+00	7.70E-03	7.70E-03	
North Carolina	Alleghany County	37005	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	2.98E-06	2.69E-05	0.00E+00	0.00E+00	6.10E-02	6.10E-02	
North Carolina	Alleghany County	37005	R	Ethylene Oxide	6.37E-05	6.37E-05	6.37E-05	1.08E-04	1.25E-04	2.04E-04	2.04E-04	2.04E-04	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Formaldehyde	3.25E-01	3.25E-01	3.25E-01	3.44E-01	3.42E-01	3.56E-01	3.56E-01	3.56E-01	7.60E-03	3.52E-02	3.66E-02	1.24E-02	2.50E-01	2.50E-01	
North Carolina	Alleghany County	37005	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.36E-05	9.36E-05	9.36E-05	0.00E+00	3.67E-07	0.00E+00	0.00E+00	9.30E-05	9.30E-05	
North Carolina	Alleghany County	37005	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.92E-08	0.00E+00	0.00E+00	1.80E-03	1.80E-03	
North Carolina	Alleghany County	37005	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-09	1.11E-08	1.11E-08	1.11E-08	0.00E+00	3.71E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Hydrazine	3.04E-09	3.04E-09	3.04E-09	3.59E-09	8.46E-08	2.47E-07	2.47E-07	2.47E-07	0.00E+00	8.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Lead Compounds	1.05E-04	1.05E-04	1.05E-04	1.32E-04	1.30E-04	1.52E-04	1.52E-04	1.52E-04	1.69E-05	5.10E-05	0.00E+00	6.18E-05	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Manganese Compounds	4.02E-04	4.02E-04	4.02E-04	5.40E-04	5.49E-04	7.05E-04	7.05E-04	7.05E-04	1.57E-04	3.91E-04	1.25E-06	1.83E-07	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.44E-05	2.86E-06	8.01E-06	1.76E-06	1.50E-03	1.50E-03	
North Carolina	Alleghany County	37005	R	Methylene Chloride	1.61E-01	1.61E-01	1.61E-01	1.99E-01	1.89E-01	2.06E-01	2.06E-01	2.06E-01	1.92E-02	1.96E-02	0.00E+00	0.00E+00	1.50E-01	1.50E-01	
North Carolina	Alleghany County	37005	R	Nickel Compounds	8.11E-05	8.11E-05	8.11E-05	8.72E-05	1.08E-04	1.55E-04	1.55E-04	1.55E-04	3.34E-05	7.11E-05	3.13E-06	2.79E-07	0.00E+00	0.00E+00	
North Carolina	Alleghany County	37005	R	Perchloroethylene	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.50E-01	1.57E-01	1.57E-01	1.57E-01	1.67E-05	1.02E-02	0.00E+00	0.00E+00	1.40E-01	1.40E-01	
North Carolina	Alleghany County	37005	R	Polychlorinated Biphenyls	3.98E-04	3.98E-04	3.98E-04	4.15E-04	4.20E-04	4.48E-04	4.48E-04	4.48E-04	0.00E+00	4.03E-05	0.00E+00	0.00E+00	3.80E-04	3.80E-04	
North Carolina	Alleghany County	37005	R	Polycyclic Organic Matter	9.21E-03	9.21E-03	9.21E-03	1.15E-02	1.22E-02	1.58E-02	1.58E-02	1.58E-02	1.07E-03	9.46E-03	1.46E-03	1.91			

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Anson County	37007	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 Carolina	Anson County	37007	R	Beryllium Compounds	3.98E-06	3.98E-06	4.10E-06	8.25E-06	8.23E-06	1.24E-05	1.24E-05	1.24E-05	4.33E-06	3.33E-06	0.00E+00	5.74E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	1,3-Butadiene	4.19E-03	4.19E-03	4.62E-03	4.73E-03	7.49E-03	1.19E-02	1.47E-02	1.47E-02	0.00E+00	2.52E-03	4.24E-03	7.32E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Cadmium Compounds	3.48E-06	3.48E-06	3.52E-06	6.86E-06	6.21E-06	7.68E-06	8.87E-06	8.87E-06	1.83E-06	3.81E-06	0.00E+00	5.72E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Carbon Disulfide	4.73E-02	4.73E-02	4.74E-02	4.75E-02	4.76E-02	4.76E-02	4.82E-02	4.82E-02	1.75E-06	5.79E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Anson County	37007	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	2.75E-08	6.25E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Anson County	37007	R	Chloroform	8.48E-02	8.48E-02	8.50E-02	8.69E-02	8.64E-02	8.76E-02	8.76E-02	8.76E-02	1.38E-07	3.43E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Anson County	37007	R	Chromium Compounds (includes Hexavalent)	2.93E-05	2.93E-05	3.25E-05	9.80E-05	1.17E-04	2.03E-04	2.42E-04	2.42E-04	7.38E-06	1.04E-04	5.25E-06	2.84E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Chromium VI	1.27E-05	1.27E-05	1.83E-05	6.33E-05	7.81E-05	1.40E-04	1.71E-04	1.71E-04	4.81E-06	7.10E-05	2.11E-06	9.65E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	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 Carolina	Anson County	37007	R	1,4-Dichlorobenzene	2.92E-03	2.92E-03	3.44E-03	3.81E-03	4.87E-03	7.41E-03	7.85E-03	7.85E-03	5.46E-06	4.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	1,3-Dichloropropene	5.59E-03	5.59E-03	6.61E-03	7.23E-03	9.47E-03	1.46E-02	1.56E-02	1.56E-02	0.00E+00	9.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.80E-09	1.34E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Anson County	37007	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	9.89E-08	1.40E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Anson County	37007	R	Ethylene Oxide	2.89E-05	2.89E-05	3.66E-05	9.06E-05	9.54E-05	1.46E-04	1.80E-04	1.80E-04	0.00E+00	9.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Formaldehyde	3.63E-01	3.63E-01	3.65E-01	3.97E-01	3.98E-01	4.25E-01	4.39E-01	4.39E-01	2.17E-02	6.40E-02	4.54E-02	1.65E-02	2.50E-01	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.38E-05	9.38E-05	9.38E-05	0.00E+00	4.38E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Carolina	Anson County	37007	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	1.43E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Carolina	Anson County	37007	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 Carolina	Anson County	37007	R	Hydrazine	4.71E-10	4.71E-10	5.53E-10	1.43E-09	1.49E-08	2.71E-09	8.26E-08	8.26E-08	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Lead Compounds	7.16E-05	7.16E-05	1.02E-04	1.48E-04	1.62E-04	2.39E-04	2.64E-04	2.64E-04	3.17E-05	1.01E-04	0.00E+00	2.93E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Manganese Compounds	1.11E-04	1.11E-04	1.14E-04	1.64E-04	1.95E-04	2.92E-04	3.24E-04	3.24E-04	7.04E-05	1.22E-04	1.66E-06	2.39E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.56E-03	1.63E-06	1.08E-05	9.22E-06	2.49E-06	1.50E-03	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Methylene Chloride	1.63E-01	1.63E-01	1.64E-01	1.65E-01	1.71E-01	1.85E-01	1.85E-01	1.85E-01	1.39E-04	2.12E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Anson County	37007	R	Nickel Compounds	9.35E-05	9.35E-05	1.46E-04	2.29E-04	2.61E-04	4.23E-04	4.44E-04	4.44E-04	2.17E-05	2.35E-04	3.99E-06	4.24E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Perchloroethylene	1.44E-01	1.44E-01	1.46E-01	1.47E-01	1.49E-01	1.53E-01	1.54E-01	1.54E-01	1.26E-07	8.55E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Anson County	37007	R	Polychlorinated Biphenyls	4.01E-04	4.01E-04	4.03E-04	4.09E-04	4.30E-04	4.77E-04	4.78E-04	4.78E-04	0.00E+00	4.95E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Anson County	37007	R	Polycyclic Organic Matter	8.86E-03	8.86E-03	9.85E-03	2.27E-02	2.02E-02	2.83E-02	2.89E-02	2.89E-02	8.03E-03	1.01E-02	1.85E-03	2.63E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	7-PACH	6.77E-04	6.77E-04	7.05E-04	7.38E-04	8.91E-04	1.18E-03	1.31E-03	1.31E-03	1.88E-06	8.72E-04	1.32E-05	3.66E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Propylene Dichloride	2.36E-06	2.36E-06	4.68E-06	6.66E-06	8.37E-06	7.72E-06	2.21E-05	2.21E-05	0.00E+00	8.37E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Quinoline	6.65E-08	6.65E-08	4.42E-07	5.09E-07	4.95E-07	6.00E-07	8.47E-07	8.47E-07	0.00E+00	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	1,1,2,2-Tetrachloroethane	9.97E-06	9.97E-06	1.32E-05	4.21E-05	5.93E-05	5.50E-05	1.93E-04	1.93E-04	0.00E+00	5.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Anson County	37007	R	Trichloroethylene	8.43E-02	8.43E-02	8.66E-02	8.99E-02	9.24E-02	9.19E-02	1.12E-01	1.12E-01	3.15E-05	1.13E-02	0.00E+00	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Carolina	Anson County	37007	R	Vinyl Chloride	3.34E-05	3.34E-05	3.38E-05	7.98E-05	1.45E-04	1.52E-04	4.89E-04	4.89E-04	0.00E+00	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Acetaldehyde	5.28E-02	5.28E-02	6.44E-02	6.85E-02	7.08E-02	8.58E-02	8.70E-02	8.70E-02	1.75E-03	1.13E-02	5.36E-02	4.19E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Acrolein	1.35E-02	1.35E-02	1.35E-02	1.54E-02	1.56E-02	1.74E-02	1.75E-02	1.75E-02	1.22E-04	7.65E-03	6.77E-03	1.03E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Acrylonitrile	4.52E-05	4.52E-05	7.02E-05	1.21E-04	1.19E-04	1.36E-04	2.44E-04	2.44E-04	0.00E+00	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Arsenic Compounds	2.04E-05	2.04E-05	2.05E-05	3.06E-05	3.03E-05	3.60E-05	3.96E-05	3.96E-05	1.13E-05	1.11E-05	6.58E-06	1.32E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Benzene	5.81E-01	5.81E-01	5.83E-01	6.06E-01	6.10E-01	6.37E-01	6.51E-01	6.51E-01	1.75E-04	5.81E-02	6.08E-02	1.11E-02	4.80E-01	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	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 Carolina	Ashe County	37009	R	Beryllium Compounds	8.27E-07	8.27E-07	9.08E-07	1.39E-06	1.43E-06	1.87E-06	2.40E-06	2.40E-06	4.47E-08	1.36E-06	0.00E+00	2.36E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	1,3-Butadiene	3.85E-03	3.85E-03	3.97E-03	4.32E-03	4.77E-03	5.66E-03	6.47E-03	6.47E-03	0.00E+00	1.55E-03	2.65E-03	5.70E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Cadmium Compounds	4.49E-06	4.49E-06	4.94E-06	6.98E-06	6.70E-06	8.67E-06	8.75E-06	8.75E-06	2.30E-06	4.37E-06	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Carbon Disulfide	4.74E-02	4.74E-02	4.75E-02	4.82E-02	4.86E-02	4.91E-02	5.18E-02	5.18E-02	5.18E-02	5.18E-02	5.18E-02	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Ashe County	37009	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	1.23E-06	5.80E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Ashe County	37009	R	Chloroform	8.44E-02	8.44E-02	8.45E-02	8.49E-02	8.51E-02	8.58E-02	8.61E-02	8.61E-02	1.20E-06	2.13E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Ashe County	37009	R	Chromium Compounds (includes Hexavalent)	6.43E-05	6.43E-05	8.32E-05	2.02E-04	3.36E-04	4.08E-04	1.11E-03	1.11E-03	3.56E-05	2.96E-04	4.14E-06	1.17E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Chromium VI	4.75E-05	4.75E-05	4.80E-05	1.54E-04	2.97E-04	3.73E-04	1.07E-03	1.07E-03	1.26E-05	2.82E-04	1.65E-06	3.99E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	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 Carolina	Ashe County	37009	R	1,4-Dichlorobenzene	2.69E-03	2.69E-03	3.11E-03	3.68E-03	4.02E-03	5.39E-03	5.47E-03	5.47E-03	4.36E-09	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	1,3-Dichloropropene	5.20E-03	5.20E-03	5.97E-03	7.0											

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 Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina

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 Carolina	Ashe County	37009	R	Perchloroethylene	1.43E-01	1.43E-01	1.43E-01	1.44E-01	1.45E-01	1.46E-01	1.49E-01	1.49E-01	1.67E-06	4.68E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Ashe County	37009	R	Polychlorinated Biphenyls	4.01E-04	4.01E-04	4.03E-04	4.04E-04	4.23E-04	4.65E-04	4.69E-04	4.69E-04	4.32E-10	4.35E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Ashe County	37009	R	Polycyclic Organic Matter	8.19E-03	8.19E-03	9.16E-03	1.14E-02	1.13E-02	1.37E-02	1.37E-02	1.43E-02	9.04E-06	9.69E-03	1.45E-03	1.44E-04	0.00E+00
North Carolina	Ashe County	37009	R	7-PAH	6.09E-04	6.09E-04	6.49E-04	7.75E-04	7.98E-04	1.02E-03	1.02E-03	1.02E-03	1.26E-05	7.73E-04	1.06E-05	1.50E-06	0.00E+00
North Carolina	Ashe County	37009	R	Propylene Dichloride	6.22E-06	6.22E-06	6.46E-06	6.59E-06	1.06E-05	1.43E-05	1.77E-05	1.77E-05	1.48E-06	9.15E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Quinoline	1.03E-08	1.03E-08	1.08E-08	1.27E-08	1.35E-08	1.59E-08	1.96E-08	1.96E-08	0.00E+00	1.35E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	1,1,2,2-Tetrachloroethane	1.98E-05	1.98E-05	3.32E-05	5.37E-05	5.63E-05	6.92E-05	1.21E-04	1.21E-04	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Ashe County	37009	R	Trichloroethylene	8.17E-02	8.17E-02	8.19E-02	8.21E-02	8.25E-02	8.36E-02	8.42E-02	8.42E-02	1.36E-06	1.55E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Ashe County	37009	R	Vinyl Chloride	5.11E-05	5.11E-05	8.32E-05	1.35E-04	1.41E-04	1.71E-04	2.99E-04	2.99E-04	5.87E-07	1.40E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Acetaldehyde	8.90E-02	8.90E-02	9.81E-02	1.10E-01	1.09E-01	1.20E-01	1.26E-01	1.26E-01	2.85E-03	1.69E-02	8.03E-02	8.79E-03	0.00E+00
North Carolina	Avery County	37011	R	Acrolein	2.12E-02	2.12E-02	2.14E-02	2.32E-02	2.33E-02	2.52E-02	2.55E-02	2.55E-02	9.24E-04	9.40E-03	1.08E-02	2.18E-03	0.00E+00
North Carolina	Avery County	37011	R	Acrylonitrile	2.64E-04	2.64E-04	2.86E-04	3.13E-04	5.23E-04	7.61E-04	1.20E-03	1.20E-03	5.37E-05	4.70E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Arsenic Compounds	3.59E-05	3.59E-05	3.71E-05	4.38E-05	4.39E-05	5.07E-05	5.22E-05	5.22E-05	1.67E-05	1.51E-05	9.91E-06	2.23E-06	0.00E+00
North Carolina	Avery County	37011	R	Benzene	6.48E-01	6.48E-01	6.62E-01	6.82E-01	6.83E-01	7.05E-01	7.22E-01	7.22E-01	7.93E-04	7.77E-02	9.89E-02	2.60E-02	4.80E-01
North Carolina	Avery County	37011	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 Carolina	Avery County	37011	R	Beryllium Compounds	3.14E-06	3.14E-06	3.48E-06	3.83E-06	4.24E-06	5.00E-06	6.17E-06	6.17E-06	2.62E-06	1.46E-06	0.00E+00	1.71E-07	0.00E+00
North Carolina	Avery County	37011	R	1,3-Butadiene	5.62E-03	5.62E-03	6.58E-03	8.02E-03	7.68E-03	8.78E-03	9.06E-03	9.06E-03	5.28E-05	2.02E-03	4.27E-03	1.33E-03	0.00E+00
North Carolina	Avery County	37011	R	Cadmium Compounds	6.45E-06	6.45E-06	6.98E-06	7.98E-06	8.44E-06	9.90E-06	1.13E-05	1.13E-05	2.08E-06	6.19E-06	0.00E+00	1.70E-07	0.00E+00
North Carolina	Avery County	37011	R	Carbon Disulfide	4.74E-02	4.74E-02	4.75E-02	4.76E-02	4.76E-02	4.76E-02	4.76E-02	4.76E-02	7.84E-06	5.57E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Avery County	37011	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	3.14E-06	6.93E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Avery County	37011	R	Chloroform	8.66E-02	8.66E-02	8.71E-02	8.78E-02	8.76E-02	8.80E-02	8.81E-02	8.81E-02	3.59E-06	4.55E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Avery County	37011	R	Chromium Compounds (includes Hexavalent)	1.89E-04	1.89E-04	1.94E-04	2.04E-04	2.48E-04	3.01E-04	3.94E-04	3.94E-04	1.09E-04	1.32E-04	6.27E-06	2.97E-07	0.00E+00
North Carolina	Avery County	37011	R	Chromium VI	1.36E-04	1.36E-04	1.43E-04	1.67E-04	2.09E-04	2.76E-04	3.68E-04	3.68E-04	9.94E-05	1.08E-04	2.51E-06	1.01E-07	0.00E+00
North Carolina	Avery County	37011	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 Carolina	Avery County	37011	R	1,4-Dichlorobenzene	3.96E-03	3.96E-03	4.74E-03	5.66E-03	5.27E-03	5.80E-03	5.81E-03	5.81E-03	4.98E-06	5.27E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	1,3-Dichloropropene	7.47E-03	7.47E-03	8.96E-03	1.08E-02	1.01E-02	1.12E-02	1.12E-02	1.12E-02	0.00E+00	1.01E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	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	3.09E-08	2.96E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Avery County	37011	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	2.12E-05	6.91E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Avery County	37011	R	Ethylene Oxide	1.02E-04	1.02E-04	1.04E-04	1.04E-04	1.75E-04	2.45E-04	2.98E-04	2.98E-04	4.25E-06	1.70E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Formaldehyde	3.61E-01	3.61E-01	3.69E-01	3.82E-01	3.82E-01	3.94E-01	4.01E-01	4.01E-01	2.88E-03	4.54E-02	6.63E-02	1.71E-02	2.50E-01
North Carolina	Avery County	37011	R	Hexachlorobenzene	9.35E-05	9.35E-05	9.35E-05	9.36E-05	9.36E-05	9.38E-05	9.38E-05	9.38E-05	5.71E-08	5.88E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Avery County	37011	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	9.80E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Avery County	37011	R	Hexamethylene Diisocyanate	3.06E-08	3.06E-08	3.30E-08	3.55E-08	3.96E-08	4.62E-08	5.67E-08	5.67E-08	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Hydrazine	5.93E-10	5.93E-10	7.24E-10	8.80E-10	9.28E-10	1.13E-09	1.36E-09	1.36E-09	0.00E+00	9.28E-10	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Lead Compounds	7.93E-05	7.93E-05	8.93E-05	1.06E-04	1.23E-04	1.57E-04	2.01E-04	2.01E-04	2.29E-05	9.65E-05	0.00E+00	3.77E-06	0.00E+00
North Carolina	Avery County	37011	R	Manganese Compounds	9.00E-04	9.00E-04	1.09E-03	1.53E-03	2.13E-03	3.17E-03	4.57E-03	4.57E-03	1.65E-04	1.97E-03	1.93E-06	2.40E-07	0.00E+00
North Carolina	Avery County	37011	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	7.25E-07	3.89E-06	1.13E-05	2.03E-06	1.50E-03
North Carolina	Avery County	37011	R	Methylene Chloride	1.94E-01	1.94E-01	1.97E-01	2.08E-01	2.08E-01	2.18E-01	2.20E-01	2.20E-01	3.21E-02	2.55E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Avery County	37011	R	Nickel Compounds	6.17E-05	6.17E-05	6.48E-05	7.69E-05	7.57E-05	8.65E-05	8.71E-05	8.71E-05	2.02E-05	5.03E-05	4.74E-06	4.01E-07	0.00E+00
North Carolina	Avery County	37011	R	Perchloroethylene	1.46E-01	1.46E-01	1.46E-01	1.48E-01	1.50E-01	1.54E-01	1.58E-01	1.58E-01	9.89E-05	9.79E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Avery County	37011	R	Polychlorinated Biphenyls	4.21E-04	4.21E-04	4.26E-04	4.32E-04	4.38E-04	4.50E-04	4.67E-04	4.67E-04	5.07E-09	5.80E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Avery County	37011	R	Polycyclic Organic Matter	1.25E-02	1.25E-02	1.40E-02	1.55E-02	1.57E-02	1.75E-02	1.94E-02	1.94E-02	5.69E-05	1.32E-02	2.18E-03	2.97E-04	0.00E+00
North Carolina	Avery County	37011	R	7-PAH	8.43E-04	8.43E-04	9.14E-04	1.00E-03	1.04E-03	1.16E-03	1.30E-03	1.30E-03	1.94E-09	1.02E-03	1.59E-05	3.98E-06	0.00E+00
North Carolina	Avery County	37011	R	Propylene Dichloride	2.19E-05	2.19E-05	2.20E-05	2.74E-05	3.87E-05	5.53E-05	7.80E-05	7.80E-05	6.92E-06	3.18E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Quinoline	3.15E-08	3.15E-08	3.77E-08	4.77E-08	4.94E-08	6.12E-08	7.08E-08	7.08E-08	0.00E+00	4.94E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	1,1,2,2-Tetrachloroethane	1.37E-04	1.37E-04	1.49E-04	1.61E-04	2.79E-04	4.09E-04	6.55E-04	6.55E-04	2.98E-05	2.49E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Avery County	37011	R	Trichloroethylene	8.27E-02	8.27E-02	8.28E-02	8.36E-02	8.36E-02	8.43E-02	8.44E-02	8.44E-02	6.00E-05	2.50E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Avery County	37011	R	Vinyl Chloride	3.42E-04	3.42E-04	3.72E-04	4.02E-04	6.91E-04	1.01E-03	1.62E-03	1.62E-03	7.48E-05	6.16E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Acetaldehyde	5.80E-02	6.61E-02	7.97E-02	9.02E-02	1.39E-01	1.65E-01	2.99E-01	3.02E-01	3.99E-02	7.54E-03	6.73E-02	2.40E-02	0.00E+00
North Carolina	Beaufort County	37013	R	Acrolein	1.13E-02	1.27E-02	1.55E-02	1.71E-02	2.09E-02	2.09E-02	3.89E-02	4.03E-02	5.78E-04	7.19E-03	9.86E-03	3.28E-03	0.00E+00
North Carolina	Beaufort County	37013	R	Acrylonitrile	2.35E-05	2.96E-05	4.79E-05	7.38E-05	2.32E-04	1.52E-04	8.65E-04	1.03E-03	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Arsenic Compounds	8.05E-06	1.44E-05	2.12E-05	3.20E-05	4.03E-05	4.43E-05	8.87E-05	9.09E-05	1.69E-05	6.48E-06	1.00E+00	4.92E-06	0.00E+00
North Carolina	Beaufort County	37013	R	Benzene	5.82E-01	5.92E-01	6.09E-01	6.28E-01	7.41E-01	7.39E-01	1.17E+00	1.19E+00	3.48E-03	6.45E-02	1.43E-01	4.98E-02	4.80E-01
North Carolina	Beaufort County	37013	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 Carolina	Beaufort County	37013	R	Beryllium Compounds	5.01E-07	7.15E-07	1.68E-06	5.94E-06	8.55E-06	1.59E-05	2.02E-05	2.04E-05	6.63E-06	1.65E-06	0.00E+00	2.61E-07	0.00E+00
North Carolina	Beaufort County	37013	R	1,3-Butadiene	4.27E-03	4.50E-03	4.92E-03	6.31E-03	1.67E-02	1.33E-02	5.65E-02	5.81E-02	3.05E-08	1.60E-03	1.17E-02	3.38E-03	0.00E+00
North Carolina	Beaufort County	37013	R	Cadmium Compounds	1.10E-06	8.30E-06	1.75E-05	2.55E-05	2.48E-05	3							

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Beaufort County	37013	R	1,3-Dichloropropene	3.43E-03	3.46E-03	5.22E-03	6.39E-03	1.60E-02	1.61E-02	5.19E-02	5.25E-02	0.00E+00	1.60E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	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	6.94E-09	3.32E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Beaufort County	37013	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	8.85E-05	1.17E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Beaufort County	37013	R	Ethylene Oxide	2.29E-05	3.42E-05	4.76E-05	8.49E-05	4.17E-04	1.33E-04	1.79E-03	1.79E-03	1.38E-08	4.17E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Formaldehyde	3.16E-01	3.26E-01	3.40E-01	3.51E-01	3.96E-01	3.94E-01	5.81E-01	5.93E-01	8.11E-03	3.33E-02	6.93E-02	3.55E-02	2.50E-01
North Carolina	Beaufort County	37013	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.36E-05	9.38E-05	9.49E-05	9.49E-05	0.00E+00	5.78E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Beaufort County	37013	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	8.86E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Beaufort County	37013	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	8.32E-07	1.05E-06	1.18E-06	1.83E-06	2.25E-06	2.43E-06	1.18E-06	2.74E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Hydrazine	1.85E-09	3.90E-09	1.26E-07	5.38E-06	4.35E-06	6.03E-06	7.91E-06	9.30E-06	4.23E-06	1.18E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Lead Compounds	2.68E-05	3.60E-05	1.01E-04	1.80E-04	6.99E-04	2.83E-04	2.93E-03	4.13E-03	2.48E-05	1.34E-04	0.00E+00	5.40E-04	0.00E+00
North Carolina	Beaufort County	37013	R	Manganese Compounds	1.33E-05	7.70E-05	2.39E-04	2.68E-04	2.75E-04	3.49E-04	4.65E-04	5.71E-04	1.85E-04	8.69E-05	2.70E-06	5.19E-07	0.00E+00
North Carolina	Beaufort County	37013	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.53E-03	1.58E-03	1.58E-03	3.23E-06	6.43E-06	1.31E-05	4.23E-06	1.50E-03
North Carolina	Beaufort County	37013	R	Methylene Chloride	1.58E-01	1.59E-01	1.67E-01	1.83E-01	2.21E-01	1.97E-01	3.95E-01	4.00E-01	2.21E-02	4.87E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Beaufort County	37013	R	Nickel Compounds	3.14E-05	9.78E-05	2.27E-04	3.54E-04	3.76E-04	5.16E-04	7.19E-04	9.05E-04	2.71E-04	9.72E-05	6.26E-06	1.35E-06	0.00E+00
North Carolina	Beaufort County	37013	R	Perchloroethylene	1.43E-01	1.43E-01	1.44E-01	1.46E-01	1.49E-01	1.48E-01	1.67E-01	1.68E-01	1.80E-04	9.21E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Beaufort County	37013	R	Polychlorinated Biphenyls	3.91E-04	3.91E-04	3.97E-04	4.01E-04	4.46E-04	4.73E-04	5.98E-04	5.98E-04	0.00E+00	6.59E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Beaufort County	37013	R	Polycyclic Organic Matter	4.94E-03	5.77E-03	7.34E-03	9.16E-03	1.06E-02	1.90E-02	4.20E-02	4.35E-02	1.18E-03	1.10E-02	3.02E-03	7.72E-04	0.00E+00
North Carolina	Beaufort County	37013	R	7-PAH	3.43E-04	3.88E-04	4.88E-04	5.21E-04	7.72E-04	1.04E-03	1.67E-03	1.75E-03	6.26E-07	7.39E-04	2.03E-05	1.23E-05	0.00E+00
North Carolina	Beaufort County	37013	R	Propylene Dichloride	1.70E-06	1.72E-06	2.14E-06	2.79E-06	6.02E-06	6.05E-06	1.87E-05	1.88E-05	0.00E+00	6.02E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Quinoline	3.58E-08	3.91E-08	6.03E-08	1.62E-07	4.01E-07	5.25E-07	1.36E-06	1.36E-06	0.00E+00	4.01E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	1,1,2,2-Tetrachloroethane	3.38E-08	2.78E-06	5.57E-06	7.81E-06	8.88E-06	1.03E-05	1.77E-05	1.98E-05	0.00E+00	8.88E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Beaufort County	37013	R	Trichloroethylene	8.20E-02	8.20E-02	8.20E-02	8.28E-02	8.85E-02	8.38E-02	1.12E-01	1.12E-01	5.33E-04	6.96E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Beaufort County	37013	R	Vinyl Chloride	7.09E-06	4.16E-05	7.83E-05	1.04E-04	9.48E-05	1.13E-04	1.38E-04	1.61E-04	6.09E-05	3.39E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bertie County	37015	R	Acetaldehyde	4.55E-02	4.55E-02	5.40E-02	6.34E-02	6.37E-02	7.34E-02	8.24E-02	8.24E-02	2.30E-02	1.22E-02	2.00E-02	8.43E-03	0.00E+00
North Carolina	Bertie County	37015	R	Acrolein	9.60E-03	9.60E-03	9.81E-03	1.09E-02	1.11E-02	1.23E-02	1.28E-02	1.28E-02	4.39E-04	5.70E-03	3.94E-03	9.76E-04	0.00E+00
North Carolina	Bertie County	37015	R	Acrylonitrile	2.00E-04	2.00E-04	2.20E-04	4.67E-04	6.36E-04	1.05E-03	1.41E-03	1.41E-03	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bertie County	37015	R	Arsenic Compounds	1.40E-05	1.40E-05	1.56E-05	1.90E-05	1.88E-05	2.21E-05	2.33E-05	2.33E-05	2.74E-06	1.06E-05	3.45E-06	2.09E-06	0.00E+00
North Carolina	Bertie County	37015	R	Benzene	5.75E-01	5.75E-01	5.76E-01	6.22E-01	6.39E-01	7.01E-01	7.35E-01	7.35E-01	8.18E-02	2.84E-02	3.59E-02	1.25E-02	4.80E-01
North Carolina	Bertie County	37015	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 Carolina	Bertie County	37015	R	Beryllium Compounds	1.05E-06	1.05E-06	1.10E-06	1.38E-06	1.71E-06	2.31E-06	3.01E-06	3.01E-06	3.30E-07	1.35E-06	0.00E+00	2.56E-08	0.00E+00
North Carolina	Bertie County	37015	R	1,3-Butadiene	3.04E-03	3.04E-03	3.07E-03	3.15E-03	3.67E-03	4.28E-03	5.36E-03	5.36E-03	4.71E-11	1.54E-03	1.52E-03	6.14E-04	0.00E+00
North Carolina	Bertie County	37015	R	Cadmium Compounds	2.81E-06	2.81E-06	3.35E-06	4.19E-06	3.95E-06	4.55E-06	4.62E-06	4.62E-06	1.68E-06	2.24E-06	0.00E+00	2.66E-08	0.00E+00
North Carolina	Bertie County	37015	R	Carbon Disulfide	4.72E-02	4.72E-02	4.72E-02	4.77E-02	4.76E-02	4.80E-02	4.81E-02	4.81E-02	4.97E-04	1.49E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Bertie County	37015	R	Carbon Tetrachloride	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	8.82E-01	8.83E-01	8.83E-01	1.48E-03	2.50E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Bertie County	37015	R	Chloroform	8.66E-02	8.66E-02	9.01E-02	9.37E-02	9.88E-02	1.08E-01	1.21E-01	1.21E-01	1.31E-02	2.78E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Bertie County	37015	R	Chromium Compounds (includes Hexavalent)	4.27E-05	4.27E-05	4.38E-05	7.64E-05	8.31E-05	1.23E-04	1.37E-04	1.37E-04	5.07E-05	3.01E-05	2.21E-06	1.23E-07	0.00E+00
North Carolina	Bertie County	37015	R	Chromium VI	2.15E-05	2.15E-05	2.16E-05	3.55E-05	3.98E-05	5.81E-05	6.68E-05	6.68E-05	1.78E-05	2.11E-05	8.86E-07	4.18E-08	0.00E+00
North Carolina	Bertie County	37015	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 Carolina	Bertie County	37015	R	1,4-Dichlorobenzene	1.82E-03	1.82E-03	1.82E-03	1.87E-03	1.98E-03	2.15E-03	2.39E-03	2.39E-03	1.50E-08	1.98E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bertie County	37015	R	1,3-Dichloropropene	3.28E-03	3.28E-03	3.39E-03	3.56E-03	3.72E-03	4.05E-03	4.48E-03	4.48E-03	0.00E+00	3.72E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bertie County	37015	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	1.28E-08	1.37E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Bertie County	37015	R	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	1.25E-04	8.14E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Bertie County	37015	R	Ethylene Oxide	3.26E-05	3.26E-05	3.29E-05	3.99E-05	4.97E-05	6.64E-05	8.62E-05	8.62E-05	1.07E-08	4.96E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bertie County	37015	R	Formaldehyde	3.13E-01	3.13E-01	3.17E-01	3.30E-01	3.31E-01	3.44E-01	3.50E-01	3.50E-01	1.12E-02	3.77E-02	1.87E-02	1.32E-02	2.50E-01
North Carolina	Bertie County	37015	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.36E-05	9.36E-05	9.39E-05	9.40E-05	9.40E-05	2.33E-08	5.78E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Bertie County	37015	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	1.20E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Bertie County	37015	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 Carolina	Bertie County	37015	R	Hydrazine	1.45E-06	1.45E-06	1.45E-06	2.70E-06	3.26E-06	5.07E-06	6.20E-06	6.20E-06	3.26E-06	3.53E-10	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bertie County	37015	R	Lead Compounds	1.48E-04	1.48E-04	1.80E-04	2.92E-04	5.08E-04	8.35E-04	1.30E-03	1.30E-03	6.95E-06	4.48E-04	0.00E+00	5.29E-05	0.00E+00
North Carolina	Bertie County	37015	R	Manganese Compounds	2.98E-04	2.98E-04	3.68E-04	6.03E-04	9.87E-04	1.61E-03	2.44E-03	2.44E-03	6.73E-05	9.19E-04	6.83E-07	1.92E-07	0.00E+00
North Carolina	Bertie County	37015	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	2.07E-06	1.17E-06	3.95E-06	1.80E-06	1.50E-03
North Carolina	Bertie County	37015	R	Methylene Chloride	1.57E-01	1.57E-01	1.59E-01	1.62E-01	1.69E-01	1.79E-01	1.95E-01	1.95E-01	9.21E-03	1.01E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Bertie County	37015	R	Nickel Compounds	1.28E-04	1.28E-04	1.45E-04	1.75E-04	1.68E-04	1.91E-04	1.94E-04	1.94E-04	6.76E-05	9.80E-05	1.67E-06	5.81E-07	0.00E+00
North Carolina	Bertie County	37015	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.46E-01	1.46E-01	1.49E-01	1.51E-01	1.51E-01	1.64E-04	6.32E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Bertie County	37015	R	Polychlorinated Biphenyls	3.96E-04	3.96E-04	3.96E-04	3.97E-04	3.98E-04	3.99E-04	4.01E-04	4.01E-04	2.03E-09	1.77E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Bertie County	37015	R	Polycyclic Organic Matter	4.53E-03	4.53E-03	4.66E-03	5.06E-03	5.21E-03	5.75E-03	6.19E-03	6.19E-03	1.74E-04	4.10E-03	7.78E-04	1.58E-04	0.00E+00
North Carolina	Bertie County	37015	R	7-PAH	3.80E-0												

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Bladen County	37017	R	Acrylonitrile	4.89E-05	4.89E-05	5.21E-05	8.05E-05	8.40E-05	1.08E-04	1.34E-04	1.34E-04	0.00E+00	8.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Bladen County	37017	R	Arsenic Compounds	2.15E-04	2.15E-04	2.69E-04	3.30E-04	3.18E-04	3.41E-04	4.20E-04	4.20E-04	3.08E-04	2.81E-06	4.81E-06	1.98E-06	1.98E-06	0.00E+00	
North Carolina	Bladen County	37017	R	Benzene	5.49E-01	5.49E-01	5.61E-01	5.88E-01	5.89E-01	6.15E-01	6.34E-01	6.34E-01	1.31E-03	4.21E-02	5.37E-02	1.22E-02	4.80E-01	0.00E+00	
North Carolina	Bladen County	37017	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 Carolina	Bladen County	37017	R	Beryllium Compounds	2.91E-05	2.91E-05	3.65E-05	4.28E-05	4.19E-05	4.48E-05	5.55E-05	5.55E-05	4.12E-05	6.30E-07	0.00E+00	1.24E-07	0.00E+00	0.00E+00	
North Carolina	Bladen County	37017	R	1,3-Butadiene	3.52E-03	3.52E-03	3.62E-03	4.02E-03	4.42E-03	4.91E-03	6.46E-03	6.46E-03	1.69E-06	1.72E-03	1.98E-03	7.13E-04	0.00E+00	0.00E+00	
North Carolina	Bladen County	37017	R	Cadmium Compounds	2.11E-05	2.11E-05	2.50E-05	2.95E-05	3.06E-05	3.91E-05	3.92E-05	3.92E-05	2.70E-05	3.40E-06	0.00E+00	1.24E-07	0.00E+00	0.00E+00	
North Carolina	Bladen County	37017	R	Carbon Disulfide	4.72E-02	4.72E-02	4.72E-02	4.73E-02	4.74E-02	4.77E-02	4.80E-02	4.80E-02	2.21E-04	2.16E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Bladen County	37017	R	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	2.92E-04	4.55E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Bladen County	37017	R	Chloroform	8.45E-02	8.45E-02	8.48E-02	8.60E-02	9.19E-02	9.15E-02	1.19E-01	1.19E-01	7.31E-03	1.61E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Bladen County	37017	R	Chromium Compounds (includes Hexavalent)	9.02E-04	9.02E-04	1.84E-03	1.96E-03	1.84E-03	2.02E-03	2.38E-03	2.38E-03	1.84E-03	4.52E-06	3.30E-06	1.48E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Chromium VI	6.98E-04	6.98E-04	1.59E-03	1.62E-03	1.55E-03	1.71E-03	2.08E-03	2.08E-03	1.55E-03	2.12E-06	1.31E-06	5.02E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	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 Carolina	Bladen County	37017	R	1,4-Dichlorobenzene	1.63E-03	1.63E-03	2.29E-03	3.12E-03	3.13E-03	4.25E-03	4.38E-03	4.38E-03	0.00E+00	3.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	1,3-Dichloropropene	3.11E-03	3.11E-03	4.45E-03	6.02E-03	6.06E-03	8.38E-03	8.40E-03	8.40E-03	0.00E+00	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	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	3.00E-08	5.14E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Bladen County	37017	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	2.87E-05	9.22E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Bladen County	37017	R	Ethylene Oxide	3.39E-05	3.39E-05	1.29E-04	2.77E-04	2.61E-04	3.91E-04	4.61E-04	4.61E-04	1.76E-04	8.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Formaldehyde	3.24E-01	3.24E-01	3.39E-01	4.02E-01	4.14E-01	4.34E-01	5.81E-01	5.81E-01	8.24E-02	3.47E-02	3.07E-02	1.60E-02	2.50E-01	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.33E-05	9.33E-05	9.35E-05	9.35E-05	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Carolina	Bladen County	37017	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.50E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	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 Carolina	Bladen County	37017	R	Hydrazine	1.03E-10	1.03E-10	3.11E-10	5.49E-10	1.36E-09	2.20E-09	4.48E-09	4.48E-09	0.00E+00	1.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Lead Compounds	2.94E-04	2.94E-04	3.20E-04	3.73E-04	5.72E-04	8.03E-04	1.27E-03	1.27E-03	3.61E-04	1.22E-05	0.00E+00	1.98E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Manganese Compounds	1.15E-03	1.15E-03	1.23E-03	1.38E-03	1.44E-03	1.49E-03	2.03E-03	2.03E-03	1.38E-03	5.91E-05	9.84E-07	1.85E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.83E-05	2.17E-06	5.35E-06	1.82E-06	1.50E-03	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Methylene Chloride	1.59E-01	1.59E-01	1.60E-01	1.65E-01	1.66E-01	1.68E-01	1.78E-01	1.78E-01	2.39E-03	1.16E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Nickel Compounds	5.45E-04	5.45E-04	5.83E-04	6.43E-04	6.72E-04	7.92E-04	8.25E-04	8.25E-04	6.08E-04	6.16E-05	2.46E-06	3.94E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Perchloroethylene	1.43E-01	1.43E-01	1.46E-01	1.48E-01	1.47E-01	1.49E-01	1.49E-01	1.49E-01	1.01E-04	6.93E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Polychlorinated Biphenyls	3.96E-04	3.96E-04	4.00E-04	4.05E-04	4.11E-04	4.18E-04	4.42E-04	4.42E-04	8.87E-07	2.99E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Polycyclic Organic Matter	5.31E-03	5.31E-03	6.21E-03	7.90E-03	8.18E-03	9.47E-03	1.23E-02	1.23E-02	1.66E-04	6.64E-03	1.16E-03	2.21E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	7-PAH	4.63E-04	4.63E-04	5.19E-04	5.54E-04	5.86E-04	6.82E-04	7.45E-04	7.45E-04	7.37E-09	5.75E-04	8.22E-06	2.43E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Propylene Dichloride	2.76E-06	2.76E-06	3.00E-06	4.30E-06	4.76E-06	6.22E-06	7.95E-06	7.95E-06	0.00E+00	4.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Quinoline	3.41E-09	3.41E-09	6.52E-09	1.23E-08	1.46E-08	2.13E-08	3.17E-08	3.17E-08	0.00E+00	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	1,1,2,2-Tetrachloroethane	2.04E-05	2.04E-05	2.56E-05	3.27E-05	3.86E-05	4.97E-05	7.03E-05	7.03E-05	0.00E+00	3.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Trichloroethylene	8.58E-02	8.58E-02	8.58E-02	8.95E-02	9.82E-02	9.20E-02	1.47E-01	1.47E-01	5.79E-05	1.72E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00	0.00E+00
North Carolina	Bladen County	37017	R	Vinyl Chloride	5.10E-05	5.10E-05	6.32E-05	8.11E-05	9.55E-05	1.23E-04	1.73E-04	1.73E-04	0.00E+00	9.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Acetaldehyde	2.17E-02	2.17E-02	1.01E-01	1.11E-01	1.33E-01	1.61E-01	1.62E-01	3.87E-01	1.60E-02	3.63E-03	6.00E-02	2.34E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Acrolein	1.06E-02	1.06E-02	1.80E-02	1.99E-02	1.99E-02	2.31E-02	2.35E-02	2.38E-02	4.46E-04	5.83E-03	9.33E-03	4.31E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Acrylonitrile	4.16E-05	6.43E-05	7.12E-05	1.08E-04	1.32E-04	1.37E-04	2.91E-04	3.15E-04	1.71E-05	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Arsenic Compounds	1.83E-05	2.21E-05	2.69E-05	8.77E-05	1.14E-04	1.18E-04	1.79E-04	5.30E-04	9.84E-05	3.27E-06	9.63E-06	3.13E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Benzene	6.14E-01	6.24E-01	6.51E-01	7.08E-01	7.28E-01	7.66E-01	8.88E-01	8.95E-01	7.12E-03	6.19E-02	1.04E-01	7.49E-02	4.80E-01	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	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 Carolina	Brunswick County	37019	R	Beryllium Compounds	1.07E-06	1.58E-06	2.14E-06	4.71E-06	4.67E-06	6.94E-06	8.69E-06	9.04E-06	3.60E-06	1.01E-06	0.00E+00	0.00E+00	7.03E-08	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	1,3-Butadiene	5.64E-03	5.65E-03	7.91E-03	9.74E-03	1.19E-02	1.44E-02	2.31E-02	2.46E-02	7.65E-08	1.39E-03	6.37E-03	4.15E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Cadmium Compounds	2.25E-06	3.01E-06	4.91E-06	1.21E-05	1.57E-05	2.37E-05	2.74E-05	4.63E-05	1.26E-05	2.92E-06	0.00E+00	1.03E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Carbon Disulfide	4.74E-02	4.75E-02	4.76E-02	5.02E-02	5.08E-02	5.08E-02	5.39E-02	5.39E-02	2.10E-03	1.74E-03	0.00E+00	0.00E+00	4.70E-02	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.83E-01	8.83E-01	8.84E-01	8.85E-01	8.88E-01	2.77E-03	8.23E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Chloroform	8.42E-02	8.49E-02	8.60E-02	1.65E-01	1.67E-01	1.94E-01	2.48E-01	3.09E-01	8.13E-02	2.64E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Chromium Compounds (includes Hexavalent)	5.48E-06	1.48E-05	2.14E-05	2.67E-05	3.18E-04	6.50E-04	1.30E-03	1.38E-03	2.50E-05	2.86E-04	6.47E-06	8.33E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Chromium VI	1.99E-06	5.19E-06	7.90E												

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Brunswick County	37019	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.58E-03	1.58E-03	1.61E-03	1.69E-03	1.71E-03	6.50E-05	3.56E-06	1.08E-05	2.48E-06	1.50E-03
North Carolina	Brunswick County	37019	R	Methylene Chloride	1.64E-01	1.68E-01	1.70E-01	1.76E-01	1.78E-01	1.88E-01	1.89E-01	1.89E-01	9.56E-03	1.86E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Brunswick County	37019	R	Nickel Compounds	1.58E-05	2.16E-05	3.51E-05	6.82E-04	9.28E-04	1.43E-03	1.56E-03	4.34E-03	8.36E-04	7.91E-05	4.88E-06	7.66E-06	0.00E+00
North Carolina	Brunswick County	37019	R	Perchloroethylene	1.42E-01	1.45E-01	1.47E-01	1.47E-01	1.47E-01	1.49E-01	1.49E-01	1.50E-01	1.09E-03	6.13E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Brunswick County	37019	R	Polychlorinated Biphenyls	3.95E-04	3.96E-04	4.03E-04	4.22E-04	4.33E-04	4.41E-04	4.94E-04	5.12E-04	2.24E-06	5.11E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Brunswick County	37019	R	Polycyclic Organic Matter	4.71E-03	9.65E-03	1.03E-02	1.42E-02	1.46E-02	1.86E-02	2.26E-02	2.53E-02	6.46E-04	1.11E-02	2.26E-03	6.10E-04	0.00E+00
North Carolina	Brunswick County	37019	R	7-PAH	2.78E-04	5.27E-04	5.49E-04	7.07E-04	8.00E-04	1.00E-03	1.25E-03	1.50E-03	4.81E-09	7.64E-04	1.62E-05	1.94E-05	0.00E+00
North Carolina	Brunswick County	37019	R	Propylene Dichloride	3.27E-06	5.38E-06	5.73E-06	6.79E-06	1.05E-05	7.81E-06	2.08E-05	3.82E-05	1.03E-06	9.44E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Quinoline	2.63E-08	2.68E-08	3.10E-08	1.43E-07	4.31E-07	3.55E-07	3.57E-07	3.02E-06	0.00E+00	4.31E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	1,1,2,2-Tetrachloroethane	1.58E-05	1.85E-05	1.94E-05	4.68E-05	5.40E-05	6.35E-05	9.84E-05	1.64E-04	9.46E-06	4.46E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Brunswick County	37019	R	Trichloroethylene	8.16E-02	8.31E-02	8.32E-02	8.26E-02	8.36E-02	8.44E-02	8.45E-02	8.51E-02	5.89E-04	2.03E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Brunswick County	37019	R	Vinyl Chloride	4.36E-05	5.69E-05	5.92E-05	1.21E-04	1.46E-04	1.57E-04	3.29E-04	2.38E-05	1.23E-04	0.00E+00	0.00E+00	0.00E+00	8.00E-04
North Carolina	Buncombe County	37021	R	Acetaldehyde	2.08E-01	2.39E-01	2.92E-01	4.57E-01	5.05E-01	7.01E-01	9.26E-01	9.81E-01	4.79E-02	1.57E-02	3.99E-01	4.25E-02	0.00E+00
North Carolina	Buncombe County	37021	R	Acrolein	3.97E-02	4.79E-02	5.50E-02	8.12E-02	7.98E-02	9.92E-02	1.14E-01	1.19E-01	9.15E-04	1.30E-02	5.91E-02	6.81E-03	0.00E+00
North Carolina	Buncombe County	37021	R	Acrylonitrile	3.35E-04	4.05E-04	9.21E-04	3.07E-03	3.49E-03	5.40E-03	6.53E-03	7.43E-03	2.05E-05	3.47E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Arsenic Compounds	7.13E-05	7.46E-05	1.17E-04	1.70E-04	1.71E-04	2.18E-04	2.81E-04	3.00E-04	7.19E-05	2.59E-05	6.34E-05	1.03E-05	0.00E+00
North Carolina	Buncombe County	37021	R	Benzene	8.65E-01	9.75E-01	1.15E+00	1.47E+00	1.60E+00	1.90E+00	2.67E+00	2.92E+00	5.36E-04	1.60E-01	8.64E-01	9.94E-02	4.80E-01
North Carolina	Buncombe County	37021	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 Carolina	Buncombe County	37021	R	Beryllium Compounds	7.42E-06	1.05E-05	1.82E-05	2.34E-05	3.37E-05	3.46E-05	8.26E-05	1.22E-04	2.57E-05	7.20E-06	0.00E+00	8.44E-07	0.00E+00
North Carolina	Buncombe County	37021	R	1,3-Butadiene	1.06E-02	1.59E-02	2.89E-02	5.72E-02	7.99E-02	1.09E-01	1.96E-01	2.21E-01	5.52E-06	1.49E-03	6.91E-02	9.32E-03	0.00E+00
North Carolina	Buncombe County	37021	R	Cadmium Compounds	8.42E-06	1.19E-05	1.79E-05	2.37E-05	2.69E-05	3.59E-05	4.37E-05	4.43E-05	1.08E-05	1.53E-05	0.00E+00	8.41E-07	0.00E+00
North Carolina	Buncombe County	37021	R	Carbon Disulfide	4.76E-02	4.82E-02	4.88E-02	5.04E-02	5.30E-02	5.37E-02	5.93E-02	6.45E-02	5.95E-04	5.43E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Buncombe County	37021	R	Carbon Tetrachloride	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	8.82E-01	8.82E-01	8.64E-04	4.91E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Buncombe County	37021	R	Chloroform	9.29E-02	9.65E-02	1.04E-01	1.13E-01	1.11E-01	1.21E-01	1.24E-01	1.26E-01	6.48E-03	2.19E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Buncombe County	37021	R	Chromium Compounds (includes Hexavalent)	1.99E-04	2.19E-04	2.55E-04	4.64E-04	7.66E-04	1.05E-03	1.84E-03	2.64E-03	1.20E-04	5.93E-04	5.16E-05	1.45E-06	0.00E+00
North Carolina	Buncombe County	37021	R	Chromium VI	1.07E-04	1.21E-04	1.61E-04	2.27E-04	3.15E-04	3.89E-04	6.68E-04	9.44E-04	8.05E-05	2.13E-04	2.06E-05	4.94E-07	0.00E+00
North Carolina	Buncombe County	37021	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 Carolina	Buncombe County	37021	R	1,4-Dichlorobenzene	9.60E-03	1.20E-02	1.45E-02	3.12E-02	2.82E-02	3.99E-02	4.56E-02	4.93E-02	3.82E-07	2.82E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	1,3-Dichloropropene	1.80E-02	2.32E-02	2.64E-02	5.85E-02	5.26E-02	7.50E-02	8.44E-02	9.40E-02	0.00E+00	5.26E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	1.47E-08	1.26E-06	0.00E+00	0.00E+00	7.70E-03
North Carolina	Buncombe County	37021	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.14E-02	8.38E-05	8.50E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Buncombe County	37021	R	Ethylene Oxide	9.48E-05	1.41E-04	3.63E-04	1.07E-03	3.51E-03	3.18E-03	1.18E-02	2.27E-02	6.24E-07	3.51E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Formaldehyde	4.48E-01	4.93E-01	5.77E-01	7.58E-01	8.19E-01	1.00E+00	1.29E+00	1.35E+00	4.04E-02	4.61E-02	3.97E-01	8.52E-02	2.50E-01
North Carolina	Buncombe County	37021	R	Hexachlorobenzene	9.34E-05	9.35E-05	9.37E-05	9.41E-05	9.40E-05	9.42E-05	9.46E-05	9.48E-05	2.39E-08	1.02E-06	0.00E+00	0.00E+00	9.30E-05
North Carolina	Buncombe County	37021	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.66E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Buncombe County	37021	R	Hexamethylene Diisocyanate	0.00E+00	3.13E-07	6.46E-07	1.76E-06	4.60E-06	7.12E-06	1.48E-05	1.53E-05	0.00E+00	4.60E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Hydrazine	4.32E-09	6.35E-09	1.06E-08	6.39E-08	3.37E-07	2.34E-07	8.10E-07	1.68E-06	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Lead Compounds	1.56E-04	2.13E-04	5.52E-04	1.44E-03	1.36E-03	1.90E-03	2.58E-03	3.26E-03	7.35E-05	1.17E-04	0.00E+00	5.75E-04	0.00E+00
North Carolina	Buncombe County	37021	R	Manganese Compounds	2.04E-04	2.13E-04	2.79E-04	3.34E-04	3.27E-04	3.69E-04	4.23E-04	4.55E-04	2.36E-04	7.26E-05	1.68E-05	1.12E-06	0.00E+00
North Carolina	Buncombe County	37021	R	Mercury Compounds	1.53E-03	1.55E-03	1.56E-03	1.59E-03	1.61E-03	1.64E-03	1.70E-03	1.72E-03	1.30E-05	2.24E-05	6.37E-05	8.97E-06	1.50E-03
North Carolina	Buncombe County	37021	R	Methylene Chloride	1.77E-01	1.85E-01	2.11E-01	2.79E-01	3.07E-01	3.73E-01	4.96E-01	5.53E-01	3.83E-03	1.53E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Buncombe County	37021	R	Nickel Compounds	1.29E-04	1.49E-04	2.44E-04	3.52E-04	4.15E-04	5.66E-04	7.45E-04	8.69E-04	8.06E-05	2.94E-04	3.85E-05	1.97E-06	0.00E+00
North Carolina	Buncombe County	37021	R	Perchloroethylene	1.52E-01	1.56E-01	1.72E-01	1.94E-01	2.14E-01	2.37E-01	3.03E-01	3.60E-01	1.60E-04	7.42E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Buncombe County	37021	R	Polychlorinated Biphenyls	4.28E-04	4.41E-04	4.60E-04	5.06E-04	5.00E-04	5.28E-04	5.72E-04	5.82E-04	2.63E-06	1.17E-04	0.00E+00	0.00E+00	3.80E-04
North Carolina	Buncombe County	37021	R	Polycyclic Organic Matter	2.67E-02	3.37E-02	3.69E-02	5.65E-02	5.66E-02	6.78E-02	8.44E-02	1.13E-01	7.50E-05	3.70E-02	1.78E-02	1.71E-03	0.00E+00
North Carolina	Buncombe County	37021	R	7-PAH	1.35E-03	1.50E-03	1.67E-03	1.86E-03	1.96E-03	2.19E-03	2.52E-03	2.85E-03	2.21E-08	1.83E-03	1.17E-04	1.69E-05	0.00E+00
North Carolina	Buncombe County	37021	R	Propylene Dichloride	6.71E-06	9.26E-06	1.15E-05	2.02E-05	4.55E-05	4.86E-05	6.16E-05	1.62E-04	1.69E-06	4.38E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Quinoline	5.71E-08	7.87E-08	1.47E-07	3.74E-07	1.11E-06	9.47E-07	2.70E-06	4.50E-06	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	1,1,2,2-Tetrachloroethane	3.75E-05	4.41E-05	1.06E-04	2.41E-04	4.22E-04	3.99E-04	6.35E-04	1.59E-03	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Buncombe County	37021	R	Trichloroethylene	8.37E-02	8.44E-02	8.71E-02	9.88E-02	1.05E-01	1.15E-01	1.40E-01	1.63E-01	1.18E-03	2.32E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Buncombe County	37021	R	Vinyl Chloride	1.01E-04	1.18E-04	2.63E-04	6.43E-04	1.07E-03	1.07E-03	1.58E-03	3.94E-03	1.50E-06	1.07E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Burke County	37023	U	Acetaldehyde	1.24E-01	1.35E-01	2.18E-01	2.80E-01	2.75E-01	3.45E-01	3.99E-01	4.74E-01	3.13E-02	4.55E-02	1.84E-01	1.41E-02	0.00E+00
North Carolina	Burke County	37023	U	Acrolein	2.81E-02	3.50E-02	4.42E-02	4.98E-02	4.84E-02	5.88E-02	6.13E-02	5.88E-02	1.85E-03	1.29E-02	3.07E-02	2.85E-03	0.00E+00
North Carolina	Burke County	37023	U	Acrylonitrile	1.23E-04	1.29E-04	1.39E-04	2.54E-04	2.41E-04	3.12E-04	3.60E-04	4.11E-04	3.39E-06	2.38E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Burke County	37023	U	Arsenic Compounds	5.59E-05	8.29E-05	1.01E-04	1.43E-04	2.27E-04	2.35E-04	5.86E-04	1.01E-03	8.75E-05	1.05E-04	3.06E-05	4.43E-06	0.00E+00
North Carolina	Burke County	37023	U	Benzene	7.02E-01	7.85E-01	8.79E-01	9.78E-01	1.01E+00	1.15E+00	1.32E+00	2.03E-03	1.37E-01	3.55E-01	3.71E-02	4.80E-01	
North Carolina	Burke County	37023	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E									

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Burke County	37023	U	Chromium VI	4.06E-04	6.04E-04	7.60E-04	1.09E-03	1.33E-03	1.41E-03	2.86E-03	4.17E-03	5.97E-04	7.22E-04	8.83E-06	1.84E-07	0.00E+00	
North Carolina	Burke County	37023	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 Carolina	Burke County	37023	U	1,4-Dichlorobenzene	4.10E-03	8.49E-03	9.60E-03	1.53E-02	1.53E-02	1.98E-02	2.57E-02	3.09E-02	2.06E-07	1.53E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	1,3-Dichloropropene	7.80E-03	1.66E-02	1.89E-02	3.03E-02	3.04E-02	3.93E-02	5.16E-02	6.23E-02	0.00E+00	3.04E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	Ethylene Dichloride	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	8.86E-09	5.12E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Burke County	37023	U	Ethylene Dibromide	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	1.02E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Burke County	37023	U	Ethylene Oxide	9.13E-05	1.55E-04	2.74E-04	4.22E-04	8.87E-04	9.22E-04	2.00E-03	6.77E-03	3.69E-06	8.84E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	Formaldehyde	4.02E-01	4.28E-01	4.79E-01	5.26E-01	5.33E-01	5.66E-01	6.90E-01	7.11E-01	1.27E-02	6.57E-02	1.76E-01	2.82E-02	2.50E-01	
North Carolina	Burke County	37023	U	Hexachlorobenzene	9.38E-05	9.44E-05	9.48E-05	9.64E-05	1.01E-04	1.00E-04	1.05E-04	1.65E-04	2.46E-07	7.53E-06	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Burke County	37023	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.81E-03	1.81E-03	1.81E-03	1.88E-03	0.00E+00	7.66E-06	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Burke County	37023	U	Hexamethylene Diisocyanate	6.90E-10	7.96E-10	3.39E-08	1.06E-07	1.21E-07	1.91E-07	2.66E-07	3.44E-07	8.26E-08	3.82E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	Hydrazine	1.88E-09	4.14E-09	1.02E-08	2.36E-08	1.22E-07	1.33E-07	7.75E-07	7.84E-07	0.00E+00	1.22E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	Lead Compounds	1.80E-04	5.14E-04	6.38E-04	8.97E-04	1.07E-03	1.42E-03	1.85E-03	2.91E-03	1.19E-04	5.97E-04	0.00E+00	3.52E-04	0.00E+00	
North Carolina	Burke County	37023	U	Manganese Compounds	1.49E-03	1.84E-03	2.70E-03	3.09E-03	3.50E-03	3.67E-03	6.00E-03	9.08E-03	9.61E-04	2.53E-03	6.98E-06	4.62E-07	0.00E+00	
North Carolina	Burke County	37023	U	Mercury Compounds	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.56E-03	1.60E-03	1.60E-03	1.60E-03	5.04E-07	1.22E-05	3.30E-05	3.94E-06	1.50E-03
North Carolina	Burke County	37023	U	Methylene Chloride	2.18E-01	2.28E-01	2.50E-01	2.93E-01	3.41E-01	4.31E-01	6.04E-01	6.21E-01	3.30E-02	1.58E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Burke County	37023	U	Nickel Compounds	9.04E-05	1.57E-04	2.57E-04	3.57E-04	6.14E-04	6.38E-04	1.97E-03	2.64E-03	2.66E-04	3.31E-04	1.64E-05	7.86E-07	0.00E+00	
North Carolina	Burke County	37023	U	Perchloroethylene	1.45E-01	1.47E-01	1.49E-01	1.54E-01	1.55E-01	1.58E-01	1.64E-01	1.64E-01	1.79E-05	1.55E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Burke County	37023	U	Polychlorinated Biphenyls	4.09E-04	4.37E-04	4.48E-04	4.89E-04	5.00E-04	5.59E-04	5.75E-04	6.08E-04	2.09E-08	1.20E-04	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Burke County	37023	U	Polycyclic Organic Matter	1.42E-02	2.24E-02	3.01E-02	3.36E-02	3.54E-02	4.40E-02	4.86E-02	5.05E-02	4.93E-04	7.62E-02	7.62E-03	7.09E-04	0.00E+00	
North Carolina	Burke County	37023	U	7-PAH	8.83E-04	1.26E-03	1.49E-03	1.64E-03	1.70E-03	1.90E-03	2.25E-03	2.27E-03	7.93E-08	1.64E-03	5.29E-05	6.51E-06	0.00E+00	
North Carolina	Burke County	37023	U	Propylene Dichloride	2.31E-05	3.01E-05	3.36E-05	5.04E-05	4.94E-05	5.65E-05	7.04E-05	8.69E-05	1.52E-05	3.42E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	Quinoline	5.11E-08	6.67E-08	1.73E-07	2.90E-07	5.18E-07	5.80E-07	2.31E-06	2.41E-06	0.00E+00	5.18E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	1,1,2,2-Tetrachloroethane	4.45E-05	4.87E-05	5.89E-05	7.16E-05	8.12E-05	1.10E-04	1.18E-04	1.25E-04	7.41E-07	8.04E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Burke County	37023	U	Trichloroethylene	8.82E-02	9.20E-02	9.51E-02	1.09E-01	1.22E-01	1.23E-01	1.69E-01	2.96E-01	3.05E-02	1.07E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Burke County	37023	U	Vinyl Chloride	1.34E-04	1.51E-04	1.60E-04	2.30E-04	2.31E-04	2.93E-04	3.30E-04	3.76E-04	6.14E-06	2.04E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	Acetaldehyde	2.72E-01	2.88E-01	3.69E-01	4.70E-01	5.46E-01	6.21E-01	8.01E-01	9.53E-01	3.18E-02	7.52E-03	4.33E-01	7.37E-02	0.00E+00	
North Carolina	Cabarrus County	37025	U	Acrolein	4.84E-02	5.54E-02	6.95E-02	8.04E-02	8.62E-02	1.04E-01	1.12E-01	1.33E-01	1.22E-03	1.08E-02	6.34E-02	1.07E-02	0.00E+00	
North Carolina	Cabarrus County	37025	U	Acrylonitrile	5.17E-04	6.10E-04	8.11E-04	1.16E-03	1.45E-03	1.63E-03	1.74E-03	1.92E-03	2.89E-05	1.42E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	Arsenic Compounds	7.57E-05	1.11E-04	1.55E-04	1.68E-04	1.75E-04	2.04E-04	2.25E-04	2.62E-04	7.85E-05	2.73E-05	5.55E-05	1.36E-05	0.00E+00	
North Carolina	Cabarrus County	37025	U	Benzene	8.80E-01	9.49E-01	1.11E+00	1.32E+00	1.50E+00	1.81E+00	1.97E+00	2.74E+00	3.52E-04	1.29E-01	7.65E-01	1.22E-01	4.80E-01	
North Carolina	Cabarrus County	37025	U	Benzidine	0.00E+00	5.15E-13	6.63E-13	7.17E-13	7.25E-13	7.84E-13	1.13E-12	1.17E-12	0.00E+00	7.25E-13	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	Beryllium Compounds	3.06E-05	3.22E-05	4.73E-05	7.37E-05	1.39E-04	1.50E-04	3.00E-04	3.01E-04	1.31E-04	6.61E-06	0.00E+00	1.16E-06	0.00E+00	
North Carolina	Cabarrus County	37025	U	1,3-Butadiene	1.13E-02	1.15E-02	2.23E-02	4.14E-02	6.23E-02	8.99E-02	1.14E-01	1.96E-01	1.40E-07	1.03E-03	5.00E-02	1.13E-02	0.00E+00	
North Carolina	Cabarrus County	37025	U	Cadmium Compounds	1.37E-05	1.38E-05	2.18E-05	2.37E-05	2.34E-05	2.70E-05	2.95E-05	3.03E-05	4.42E-06	1.48E-05	0.00E+00	1.16E-06	0.00E+00	
North Carolina	Cabarrus County	37025	U	Carbon Disulfide	4.76E-02	4.77E-02	4.79E-02	4.85E-02	4.88E-02	4.94E-02	4.96E-02	5.02E-02	7.75E-05	1.77E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Cabarrus County	37025	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.86E-07	4.43E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Cabarrus County	37025	U	Chloroform	9.34E-02	9.42E-02	1.00E-01	1.06E-01	1.07E-01	1.12E-01	1.12E-01	1.17E-01	1.22E-01	1.07E-05	2.38E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Cabarrus County	37025	U	Chromium Compounds (includes Hexavalent)	2.12E-04	2.77E-04	3.34E-04	3.76E-04	3.95E-04	4.33E-04	4.97E-04	5.83E-04	1.64E-04	1.83E-04	4.64E-05	2.01E-06	0.00E+00	
North Carolina	Cabarrus County	37025	U	Chromium VI	9.10E-05	1.29E-04	1.42E-04	1.70E-04	1.91E-04	2.15E-04	2.50E-04	2.95E-04	8.12E-05	9.04E-05	1.85E-05	6.85E-07	0.00E+00	
North Carolina	Cabarrus County	37025	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 Carolina	Cabarrus County	37025	U	1,4-Dichlorobenzene	1.20E-02	1.36E-02	1.98E-02	2.98E-02	2.92E-02	3.51E-02	4.30E-02	5.08E-02	4.99E-06	2.92E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	1,3-Dichloropropene	2.28E-02	2.60E-02	3.79E-02	5.89E-02	5.72E-02	6.94E-02	8.53E-02	1.02E-01	0.00E+00	5.72E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	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	8.85E-08	1.08E-06	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Cabarrus County	37025	U	Ethylene Dichloride	6.19E-02	6.21E-02	6.26E-02	6.36E-02	6.36E-02	6.42E-02	6.46E-02	6.48E-02	3.64E-06	2.55E-03	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Cabarrus County	37025	U	Ethylene Oxide	4.76E-04	5.73E-04	6.90E-04	1.32E-03	1.95E-03	2.41E-03	3.66E-03	4.48E-03	9.00E-05	1.86E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	Formaldehyde	5.07E-01	5.30E-01	6.26E-01	7.64E-01	8.16E-01	1.01E-01	1.10E-01	1.43E+00	1.12E-02	4.37E-02	3.78E-01	1.33E-01	2.50E-01	
North Carolina	Cabarrus County	37025	U	Hexachlorobenzene	9.35E-05	9.36E-05	9.38E-05	9.42E-05	9.42E-05	9.45E-05	9.49E-05	9.49E-05	1.29E-08	1.16E-06	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Cabarrus County	37025	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	5.40E-11	6.28E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Cabarrus County	37025	U	Hexamethylene Diisocyanate	2.84E-04	4.63E-04	5.34E-04	5.76E-04	5.91E-04	6.83E-04	7.71E-04	8.29E-04	5.73E-04	1.75E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	Hydrazine	2.61E-09	7.93E-09	1.01E-08	3.32E-06	2.61E-06	3.76E-06	4.31E-06	4.98E-06	7.98E-09	2.60E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cabarrus County	37025	U	Lead Compounds	5.38E-04	6.95E-04	1.07E-03	2.22E-03	2.84E-03	3.90E-03	4.33E-03	9.52E-03	1.05E-04	2.58E-03	0.00E+00	1.52E-04	0.00E+00	
North Carolina	Cabarrus County	37025	U	Manganese Compounds	4.82E-04	5.73E-04	6.38E-04	8.39E-04	8.91E-04	1.05E-03	1.36E-03	1.36E-03	5.03E-04	3.71E-04	1.47E-05	1.51E-06	0.00E+00	
North Carolina	Cabarrus County	37025	U	Mercury Compounds	1.62E-03	1.63E-03	1.70E-03	1.75E-03	1.75E-03	1.80E-03	1.82E-03	1.85E-03	3.92E-05	1.43E-04	5.50E-05	1.19E-05	1.50E-03	
North Carolina	Cabarrus County	37025	U	Methylene Chloride	2.40E-01	2.51E-01	3.13E-01	3.59E-01	3.75E-01	4.14E-01	4.47E-01	4.76E-01	5.32E-02	1.71E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Cabarrus County	37025	U	Nickel Compounds	2.39E-04	2.46E-04	2.96E-04	3.56E-04	3.69E-04	4.24E-04	4.93E-04	5.64E-04	1.27E-04	2.05E-04	3.			

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**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Cabarrus County	37025	U	Vinyl Chloride	2.10E-04	2.10E-04	3.72E-04	5.09E-04	1.01E-03	6.26E-04	1.35E-03	1.62E-03	1.32E-08	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Acetaldehyde	1.24E-01	1.50E-01	2.39E-01	3.18E-01	3.42E-01	4.56E-01	5.82E-01	6.00E-01	7.08E-02	9.13E-02	1.58E-01	2.21E-02	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Acrolein	2.59E-02	3.03E-02	3.46E-02	4.43E-02	4.42E-02	5.40E-02	6.22E-02	6.22E-02	6.22E-02	1.37E-02	2.41E-02	2.77E-03	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Acrylonitrile	1.53E-04	1.54E-04	2.13E-04	3.40E-04	7.00E-04	5.18E-04	1.72E-03	4.06E-03	1.48E-06	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Arsenic Compounds	4.95E-05	5.72E-05	6.96E-05	1.21E-04	1.43E-04	1.88E-04	2.81E-04	3.16E-04	4.55E-05	6.87E-05	2.30E-05	6.17E-06	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Benzene	6.89E-01	7.27E-01	7.71E-01	9.29E-01	9.36E-01	1.01E+00	1.11E+00	1.32E+00	4.30E-03	1.39E-01	2.76E-01	3.66E-02	4.80E-01	0.00E+00
North Carolina	Caldwell County	37027	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 Carolina	Caldwell County	37027	U	Beryllium Compounds	4.69E-06	5.93E-06	6.89E-06	1.24E-05	1.55E-05	2.12E-05	3.23E-05	3.45E-05	6.31E-06	9.13E-06	0.00E+00	4.58E-08	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	1,3-Butadiene	7.91E-03	9.85E-03	1.11E-02	2.28E-02	2.22E-02	2.66E-02	3.17E-02	5.77E-02	7.10E-06	1.87E-03	1.75E-02	2.86E-03	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Cadmium Compounds	9.81E-06	1.03E-05	1.21E-05	1.94E-05	2.42E-05	2.98E-05	4.98E-05	5.33E-05	6.15E-06	1.80E-05	0.00E+00	4.55E-08	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Carbon Disulfide	4.75E-02	4.76E-02	4.78E-02	4.84E-02	4.85E-02	4.87E-02	4.92E-02	5.13E-02	3.70E-07	1.51E-03	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Caldwell County	37027	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	2.98E-05	2.51E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Caldwell County	37027	U	Chloroform	8.60E-02	8.61E-02	8.67E-02	8.88E-02	8.90E-02	9.02E-02	9.14E-02	9.52E-02	2.94E-05	5.97E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Caldwell County	37027	U	Chromium Compounds (includes Hexavalent)	3.76E-04	6.00E-04	8.63E-04	1.49E-03	1.94E-03	2.32E-03	3.58E-03	6.16E-03	9.72E-04	9.53E-04	1.66E-05	4.38E-07	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Chromium VI	3.45E-04	5.71E-04	7.47E-04	1.44E-03	1.89E-03	2.26E-03	3.50E-03	6.09E-03	9.61E-04	9.17E-04	6.67E-06	1.49E-07	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	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 Carolina	Caldwell County	37027	U	1,4-Dichlorobenzene	4.54E-03	5.97E-03	8.49E-03	1.44E-02	1.49E-02	1.84E-02	2.32E-02	3.03E-02	4.73E-07	1.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	1,3-Dichloropropene	8.63E-03	1.15E-02	1.65E-02	2.86E-02	2.96E-02	3.68E-02	4.65E-02	6.08E-02	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.89E-09	5.06E-07	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Caldwell County	37027	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.13E-02	6.15E-02	6.16E-02	6.20E-02	1.98E-04	2.66E-04	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Caldwell County	37027	U	Ethylene Oxide	1.31E-04	1.43E-04	1.68E-04	2.90E-04	4.22E-04	3.95E-04	4.55E-04	2.33E-03	9.90E-07	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Formaldehyde	3.89E-01	4.15E-01	4.56E-01	5.16E-01	5.36E-01	6.09E-01	6.82E-01	7.59E-01	2.52E-02	7.49E-02	1.44E-01	4.15E-02	2.50E-01	0.00E+00
North Carolina	Caldwell County	37027	U	Hexachlorobenzene	9.39E-05	9.39E-05	9.49E-05	9.62E-05	9.66E-05	9.82E-05	9.92E-05	1.00E-04	5.48E-07	3.08E-06	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Carolina	Caldwell County	37027	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.81E-03	0.00E+00	2.12E-06	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Carolina	Caldwell County	37027	U	Hexamethylene Diisocyanate	5.32E-08	5.47E-08	6.37E-08	9.40E-08	1.04E-07	1.18E-07	1.94E-07	2.28E-07	5.14E-08	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Hydrazine	3.11E-09	3.88E-09	5.07E-09	1.33E-08	3.04E-08	4.48E-08	7.10E-08	1.25E-07	0.00E+00	3.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Lead Compounds	2.29E-04	2.70E-04	3.67E-04	4.98E-04	6.40E-04	1.01E-03	1.03E-03	1.58E-03	9.08E-05	3.12E-04	0.00E+00	2.37E-04	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Manganese Compounds	2.38E-03	2.68E-03	3.12E-03	4.85E-03	5.98E-03	7.29E-03	1.19E-02	1.53E-02	1.50E-03	4.47E-03	5.24E-06	5.54E-07	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.55E-03	1.55E-03	1.57E-03	1.64E-03	3.80E-07	1.77E-05	2.49E-05	5.09E-06	1.50E-03	0.00E+00
North Carolina	Caldwell County	37027	U	Methylene Chloride	1.97E-01	2.05E-01	2.78E-01	3.32E-01	3.44E-01	3.63E-01	4.78E-01	7.34E-01	1.34E-02	1.81E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Caldwell County	37027	U	Nickel Compounds	1.19E-04	1.46E-04	2.05E-04	3.97E-04	5.32E-04	6.22E-04	1.21E-03	1.63E-03	9.69E-05	4.22E-04	1.24E-05	8.77E-07	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Perchloroethylene	1.47E-01	1.49E-01	1.51E-01	1.57E-01	1.57E-01	1.61E-01	1.64E-01	1.72E-01	4.19E-05	1.72E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Caldwell County	37027	U	Polychlorinated Biphenyls	4.14E-04	4.22E-04	4.30E-04	4.89E-04	4.92E-04	5.30E-04	5.85E-04	5.97E-04	4.83E-08	1.12E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Caldwell County	37027	U	Polycyclic Organic Matter	1.54E-02	1.71E-02	2.26E-02	3.46E-02	3.39E-02	4.14E-02	4.69E-02	6.14E-02	2.93E-04	2.71E-02	5.86E-03	6.31E-04	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	7-PAH	9.55E-04	1.02E-03	1.22E-03	1.72E-03	1.70E-03	2.17E-03	2.27E-03	2.72E-03	3.35E-08	1.66E-03	4.04E-05	5.26E-06	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Propylene Dichloride	2.02E-05	3.52E-05	4.10E-05	8.42E-05	1.10E-04	1.56E-04	2.67E-04	2.78E-04	3.60E-05	7.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Quinoline	5.69E-08	7.12E-08	9.67E-08	1.87E-07	1.88E-07	2.16E-07	3.29E-07	4.61E-07	0.00E+00	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	1,1,2,2-Tetrachloroethane	6.27E-05	6.84E-05	9.61E-05	1.42E-04	3.45E-04	2.31E-04	8.11E-04	2.22E-03	3.97E-07	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caldwell County	37027	U	Trichloroethylene	8.49E-02	8.80E-02	9.36E-02	9.89E-02	1.06E-01	1.07E-01	1.20E-01	2.04E-01	1.58E-02	9.52E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Carolina	Caldwell County	37027	U	Vinyl Chloride	1.76E-04	1.89E-04	2.47E-04	3.86E-04	8.86E-04	5.97E-04	2.07E-03	5.50E-03	1.55E-05	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Acetaldehyde	7.93E-02	7.93E-02	7.93E-02	7.93E-02	7.93E-02	7.93E-02	7.93E-02	7.93E-02	2.50E-06	1.39E-02	4.61E-02	1.93E-02	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Acrolein	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	0.00E+00	4.31E-03	7.65E-03	3.21E-03	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Acrylonitrile	8.98E-05	8.98E-05	8.98E-05	8.98E-05	8.98E-05	8.98E-05	8.98E-05	8.98E-05	0.00E+00	8.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Arsenic Compounds	6.17E-05	6.17E-05	6.17E-05	6.17E-05	6.17E-05	6.17E-05	6.17E-05	6.17E-05	5.22E-05	1.58E-06	5.47E-06	2.42E-06	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Benzene	6.26E-01	6.26E-01	6.26E-01	6.26E-01	6.26E-01	6.26E-01	6.26E-01	6.26E-01	5.87E-08	3.52E-02	6.46E-02	4.58E-02	4.80E-01	0.00E+00
North Carolina	Camden County	37029	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 Carolina	Camden County	37029	R	Beryllium Compounds	6.72E-07	6.72E-07	6.72E-07	6.72E-07	6.72E-07	6.72E-07	6.72E-07	6.72E-07	0.00E+00	6.63E-07	0.00E+00	8.86E-09	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	1,3-Butadiene	5.38E-03	5.38E-03	5.38E-03	5.38E-03	5.38E-03	5.38E-03	5.38E-03	5.38E-03	0.00E+00	1.08E-03	2.53E-03	1.77E-03	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Cadmium Compounds	1.03E-06	1.03E-06	1.03E-06	1.03E-06	1.03E-06	1.03E-06	1.03E-06	1.03E-06	0.00E+00	1.02E-06	0.00E+00	1.22E-08	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Carbon Disulfide	4.73E-02	4.73E-02	4.73E-02	4.73E-02	4.73E-02	4.73E-02	4.73E-02	4.73E-02	0.00E+00	2.70E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Camden County	37029	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	4.91E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Camden County	37029	R	Chloroform	8.67E-02	8.67E-02	8.67E-02	8.67E-02	8.67E-02	8.67E-02	8.67E-02	8.67E-02	0.00E+00	3.66E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Camden County	37029	R	Chromium Compounds (includes Hexavalent)	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.48E-04	7.46E-06	4.00E-06	4.00E-07	0.00E+00	0.00E+0

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Camden County	37029	R	Hydrazine	1.61E-09	1.61E-09	1.61E-09	1.61E-09	1.61E-09	1.61E-09	1.61E-09	1.61E-09	1.61E-09	0.00E+00	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Camden County	37029	R	Lead Compounds	5.42E-04	5.42E-04	5.42E-04	5.42E-04	5.42E-04	5.42E-04	5.42E-04	5.42E-04	1.04E-04	2.06E-05	0.00E+00	4.17E-04	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	Manganese Compounds	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.60E-04	2.17E-04	4.22E-05	1.22E-06	3.05E-07	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	2.05E-06	2.26E-06	5.80E-06	1.89E-06	1.50E-03	0.00E+00	
North Carolina	Camden County	37029	R	Methylene Chloride	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	0.00E+00	1.42E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Carolina	Camden County	37029	R	Nickel Compounds	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.70E-04	1.55E-04	1.07E-05	2.96E-06	1.29E-06	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	Perchloroethylene	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.77E-03	8.13E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Carolina	Camden County	37029	R	Polychlorinated Biphenyls	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	0.00E+00	2.03E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Carolina	Camden County	37029	R	Polycyclic Organic Matter	8.66E-03	8.66E-03	8.66E-03	8.66E-03	8.66E-03	8.66E-03	8.66E-03	8.66E-03	9.64E-09	6.82E-03	1.41E-03	4.33E-04	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	7-PAH	4.45E-04	4.45E-04	4.45E-04	4.45E-04	4.45E-04	4.45E-04	4.45E-04	4.45E-04	0.00E+00	4.24E-04	9.38E-06	1.19E-05	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	Propylene Dichloride	7.83E-06	7.83E-06	7.83E-06	7.83E-06	7.83E-06	7.83E-06	7.83E-06	7.83E-06	0.00E+00	7.83E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	Quinoline	3.06E-08	3.06E-08	3.06E-08	3.06E-08	3.06E-08	3.06E-08	3.06E-08	3.06E-08	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	1,1,2,2-Tetrachloroethane	4.15E-05	4.15E-05	4.15E-05	4.15E-05	4.15E-05	4.15E-05	4.15E-05	4.15E-05	0.00E+00	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Camden County	37029	R	Trichloroethylene	8.25E-02	8.25E-02	8.25E-02	8.25E-02	8.25E-02	8.25E-02	8.25E-02	8.25E-02	0.00E+00	1.50E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Carolina	Camden County	37029	R	Vinyl Chloride	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	1.04E-04	0.00E+00	1.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Acetaldehyde	7.06E-02	7.54E-02	8.25E-02	9.47E-02	1.08E-01	1.08E-01	1.31E-01	2.60E-01	1.91E-05	6.91E-03	4.55E-02	5.57E-02	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Acrolein	1.11E-02	1.20E-02	1.45E-02	1.71E-02	1.76E-02	1.95E-02	2.52E-02	2.63E-02	8.04E-06	4.15E-03	6.69E-03	6.70E-03	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Acrylonitrile	2.10E-06	4.43E-06	1.33E-05	3.00E-05	3.29E-05	4.22E-05	5.84E-05	9.74E-05	0.00E+00	3.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Arsenic Compounds	2.08E-05	3.83E-05	3.95E-05	6.03E-05	1.17E-04	1.70E-04	2.92E-04	3.97E-04	8.69E-06	9.49E-05	8.86E-06	4.76E-06	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Benzene	6.33E-01	6.67E-01	6.93E-01	7.45E-01	7.58E-01	7.74E-01	8.96E-01	1.01E+00	2.45E-05	4.66E-02	9.58E-02	1.27E-01	4.80E-01	0.00E+00	
North Carolina	Carteret County	37031	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 Carolina	Carteret County	37031	R	Beryllium Compounds	7.90E-06	8.07E-06	1.14E-05	1.93E-05	4.90E-05	7.65E-05	1.38E-04	1.79E-04	1.43E-06	4.75E-05	0.00E+00	5.63E-08	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	1,3-Butadiene	6.01E-03	9.42E-03	1.08E-02	1.49E-02	1.65E-02	1.81E-02	2.85E-02	3.86E-02	6.20E-07	1.06E-03	7.85E-03	7.54E-03	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Cadmium Compounds	3.24E-05	3.66E-05	4.55E-05	9.12E-05	2.42E-04	3.82E-04	7.09E-04	8.94E-04	1.08E-06	2.41E-04	0.00E+00	4.22E-07	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Carbon Disulfide	4.70E-02	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.74E-02	4.75E-02	4.82E-02	1.66E-11	3.16E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Carolina	Carteret County	37031	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	1.66E-11	8.27E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
North Carolina	Carteret County	37031	R	Chloroform	8.36E-02	8.39E-02	8.51E-02	8.70E-02	8.75E-02	8.84E-02	9.31E-02	9.49E-02	4.03E-11	4.51E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Carolina	Carteret County	37031	R	Chromium Compounds (includes Hexavalent)	1.72E-04	1.92E-04	2.32E-04	4.70E-04	1.27E-03	2.02E-03	3.72E-03	4.72E-03	4.42E-06	1.26E-03	5.88E-06	2.40E-06	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Chromium VI	1.19E-05	1.92E-05	2.16E-05	3.03E-05	7.09E-05	1.06E-04	1.94E-04	2.48E-04	2.66E-06	6.50E-05	2.37E-06	8.17E-07	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	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 Carolina	Carteret County	37031	R	1,4-Dichlorobenzene	7.27E-04	1.18E-03	2.98E-03	5.68E-03	6.45E-03	7.87E-03	1.50E-02	1.59E-02	0.00E+00	6.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	1,3-Dichloropropene	1.41E-03	2.28E-03	5.88E-03	1.13E-02	1.29E-02	1.57E-02	3.02E-02	0.00E+00	1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	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	1.03E-08	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
North Carolina	Carteret County	37031	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	1.42E-06	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Carolina	Carteret County	37031	R	Ethylene Oxide	6.67E-06	1.25E-05	2.45E-05	6.72E-05	1.35E-04	1.09E-04	2.08E-04	8.58E-04	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Formaldehyde	3.09E-01	3.16E-01	3.33E-01	3.61E-01	3.82E-01	4.10E-01	4.19E-01	6.10E-01	6.29E-05	2.36E-02	4.63E-02	6.18E-02	2.50E-01	0.00E+00	
North Carolina	Carteret County	37031	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.34E-05	9.34E-05	9.35E-05	9.39E-05	9.41E-05	0.00E+00	4.09E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Carolina	Carteret County	37031	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.68E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Carolina	Carteret County	37031	R	Hexamethylene Diisocyanate	6.17E-08	7.22E-08	1.03E-07	3.81E-07	5.16E-07	8.20E-07	1.14E-06	1.49E-06	4.89E-07	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Hydrazine	1.58E-11	1.62E-11	1.73E-11	2.82E-10	2.38E-09	1.80E-09	7.36E-09	1.65E-08	0.00E+00	2.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Lead Compounds	4.81E-05	7.63E-05	8.87E-05	1.41E-04	2.91E-04	4.11E-04	7.63E-04	1.01E-03	1.31E-05	2.40E-04	0.00E+00	3.84E-05	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Manganese Compounds	6.49E-05	6.80E-05	1.17E-04	1.69E-04	3.43E-04	4.99E-04	9.44E-04	1.14E-03	7.58E-06	3.30E-04	1.89E-06	3.81E-06	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.56E-03	1.29E-07	2.77E-06	9.97E-06	4.53E-06	1.50E-03	0.00E+00	
North Carolina	Carteret County	37031	R	Methylene Chloride	1.52E-01	1.55E-01	1.61E-01	1.72E-01	1.84E-01	1.82E-01	2.47E-01	2.87E-01	7.18E-04	3.37E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Carolina	Carteret County	37031	R	Nickel Compounds	1.21E-04	1.86E-04	2.19E-04	3.02E-04	8.20E-04	1.21E-03	2.21E-03	3.20E-03	3.36E-05	7.07E-04	4.44E-06	7.54E-05	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Perchloroethylene	1.42E-01	1.43E-01	1.46E-01	1.53E-01	1.62E-01	1.71E-01	1.94E-01	2.17E-01	1.77E-03	2.04E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Carolina	Carteret County	37031	R	Polychlorinated Biphenyls	3.87E-04	3.91E-04	4.02E-04	4.23E-04	4.29E-04	4.49E-04	4.84E-04	5.07E-04	0.00E+00	4.85E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Carolina	Carteret County	37031	R	Polycyclic Organic Matter	2.55E-03	3.31E-03	7.20E-03	1.13E-02	1.34E-02	1.80E-02	2.55E-02	3.19E-02	9.36E-06	1.03E-02	2.06E-03	1.05E-03	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	7-PAH	1.71E-04	2.08E-04	4.01E-04	6.41E-04	7.06E-04	9.72E-04	1.29E-03	1.47E-03	2.75E-06	6.48E-04	1.47E-05	4.07E-05	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Propylene Dichloride	7.66E-08	1.57E-07	4.96E-07	1.18E-06	1.24E-06	1.76E-06	2.22E-06	3.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Quinoline	4.32E-10	5.03E-10	1.22E-09	2.23E-09	8.24E-09	8.28E-09	2.50E-08	4.50E-08	0.00E+00	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	1,1,2,2-Tetrachloroethane	9.53E-09	2.02E-08	6.73E-08	1.51E-06	3.73E-06	8.40E-06	9.93E-06	1.17E-05	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Carteret County	37031	R	Trichloroethylene	8.12E-02	8.14E-02	8.17E-02	8.25E-02	8.34E-02	8.42E-02	8.58E-02	8.82E-02	0.00E+00	2.44E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Carolina	Carteret County																		

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Caswell County	37033	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	3.30E-08	8.25E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Caswell County	37033	R	Chloroform	8.56E-02	8.56E-02	8.70E-02	8.79E-02	8.77E-02	8.84E-02	8.94E-02	8.94E-02	2.29E-06	4.71E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Caswell County	37033	R	Chromium Compounds (includes Hexavalent)	1.31E-04	1.31E-04	1.43E-04	1.55E-03	1.45E-03	2.14E-03	3.16E-03	3.16E-03	1.39E-03	5.12E-05	7.90E-06	2.52E-07	0.00E+00
North Carolina	Caswell County	37033	R	Chromium VI	6.09E-05	6.09E-05	6.51E-05	1.46E-03	1.35E-03	2.03E-03	3.01E-03	3.01E-03	1.31E-03	3.25E-05	3.16E-06	8.57E-08	0.00E+00
North Carolina	Caswell County	37033	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 Carolina	Caswell County	37033	R	1,4-Dichlorobenzene	3.89E-03	3.89E-03	6.10E-03	7.14E-03	6.90E-03	7.94E-03	9.17E-03	9.17E-03	1.75E-06	6.89E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	1,3-Dichloropropene	7.41E-03	7.41E-03	9.56E-03	1.13E-02	1.15E-02	1.40E-02	1.52E-02	1.52E-02	0.00E+00	1.15E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	7.72E-03	7.72E-03	7.72E-03	1.25E-05	5.41E-08	0.00E+00	0.00E+00	7.70E-03
North Carolina	Caswell County	37033	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	1.18E-05	1.16E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Caswell County	37033	R	Ethylene Oxide	8.18E-05	8.18E-05	2.27E-04	3.84E-04	3.34E-04	4.45E-04	4.84E-04	4.84E-04	4.78E-06	3.30E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	Formaldehyde	3.66E-01	3.66E-01	3.88E-01	4.06E-01	4.06E-01	4.31E-01	4.38E-01	4.38E-01	2.62E-02	3.94E-02	7.69E-02	1.31E-02	2.50E-01
North Carolina	Caswell County	37033	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.33E-05	9.33E-05	9.34E-05	9.35E-05	9.35E-05	0.00E+00	3.27E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Caswell County	37033	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.13E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Caswell County	37033	R	Hexamethylene Diisocyanate	7.22E-05	7.22E-05	8.10E-05	1.21E-04	1.25E-04	1.70E-04	1.88E-04	1.88E-04	1.18E-04	1.70E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	Hydrazine	1.28E-08	1.28E-08	1.48E-08	2.62E-08	2.64E-08	3.69E-08	4.18E-08	4.18E-08	2.50E-08	1.43E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	Lead Compounds	1.45E-04	1.45E-04	3.02E-04	3.37E-04	3.28E-04	3.93E-04	4.56E-04	4.56E-04	8.10E-05	1.52E-04	0.00E+00	9.56E-05	0.00E+00
North Carolina	Caswell County	37033	R	Manganese Compounds	2.41E-04	2.41E-04	2.42E-04	3.02E-04	3.17E-04	3.98E-04	4.20E-04	4.20E-04	2.09E-04	1.06E-04	2.39E-06	1.93E-07	0.00E+00
North Carolina	Caswell County	37033	R	Mercury Compounds	1.56E-03	1.56E-03	1.59E-03	1.62E-03	1.63E-03	1.64E-03	1.74E-03	1.74E-03	1.09E-04	5.87E-06	1.14E-05	1.87E-06	1.50E-03
North Carolina	Caswell County	37033	R	Methylene Chloride	1.76E-01	1.76E-01	1.97E-01	2.01E-01	2.06E-01	2.17E-01	2.44E-01	2.44E-01	2.66E-02	2.92E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Caswell County	37033	R	Nickel Compounds	1.34E-04	1.34E-04	1.53E-04	1.64E-04	1.81E-04	2.06E-04	2.66E-04	2.66E-04	1.41E-04	3.05E-05	5.85E-06	3.31E-07	0.00E+00
North Carolina	Caswell County	37033	R	Perchloroethylene	1.47E-01	1.47E-01	1.52E-01	1.53E-01	1.53E-01	1.56E-01	1.58E-01	1.58E-01	2.80E-03	1.04E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Caswell County	37033	R	Polychlorinated Biphenyls	4.06E-04	4.06E-04	4.09E-04	4.13E-04	4.17E-04	4.26E-04	4.35E-04	4.35E-04	0.00E+00	3.72E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Caswell County	37033	R	Polycyclic Organic Matter	1.03E-02	1.03E-02	1.27E-02	1.46E-02	1.44E-02	1.81E-02	1.81E-02	1.66E-04	1.11E-02	2.81E-03	2.91E-04	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	7-PAH	6.00E-04	6.00E-04	6.18E-04	7.05E-04	7.25E-04	7.84E-04	9.41E-04	9.41E-04	2.74E-07	7.03E-04	1.89E-05	3.00E-06	0.00E+00
North Carolina	Caswell County	37033	R	Propylene Dichloride	5.46E-06	5.46E-06	7.98E-06	9.41E-06	9.16E-06	1.05E-05	1.23E-05	1.23E-05	1.10E-06	8.06E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	Quinoline	1.80E-08	1.80E-08	2.63E-08	2.98E-08	3.52E-08	3.47E-08	7.26E-08	7.26E-08	0.00E+00	3.52E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	1,1,2,2-Tetrachloroethane	2.29E-05	2.29E-05	2.53E-05	3.13E-05	3.34E-05	4.28E-05	4.67E-05	4.67E-05	9.98E-06	2.34E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Caswell County	37033	R	Trichloroethylene	8.29E-02	8.29E-02	8.41E-02	9.08E-02	8.96E-02	9.44E-02	9.45E-02	9.45E-02	6.13E-03	2.45E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Caswell County	37033	R	Vinyl Chloride	5.81E-05	5.81E-05	6.47E-05	1.32E-04	1.24E-04	1.79E-04	1.79E-04	1.79E-04	2.46E-05	9.92E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Acetaldehyde	3.86E-01	3.97E-01	4.24E-01	4.89E-01	5.80E-01	6.47E-01	9.41E-01	1.02E+00	9.24E-02	7.66E-02	3.74E-01	3.72E-02	0.00E+00
North Carolina	Catawba County	37035	U	Acrolein	5.57E-02	5.67E-02	6.59E-02	7.82E-02	7.88E-02	8.84E-02	1.03E-01	1.09E-01	1.25E-03	1.25E-02	5.88E-02	6.32E-03	0.00E+00
North Carolina	Catawba County	37035	U	Acrylonitrile	2.54E-04	2.59E-04	3.28E-04	4.21E-04	4.51E-04	5.09E-04	8.31E-04	8.41E-04	6.42E-05	3.87E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Arsenic Compounds	7.96E-05	8.26E-05	1.08E-04	1.35E-04	1.42E-04	1.70E-04	2.21E-04	2.22E-04	3.80E-05	4.22E-05	5.15E-05	9.92E-06	0.00E+00
North Carolina	Catawba County	37035	U	Benzene	1.03E+00	1.10E+00	1.14E+00	1.33E+00	1.44E+00	1.59E+00	1.91E+00	2.66E+00	1.24E-03	1.70E-01	7.04E-01	8.36E-02	4.80E-01
North Carolina	Catawba County	37035	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 Carolina	Catawba County	37035	U	Beryllium Compounds	1.15E-05	1.24E-05	1.52E-05	1.80E-05	1.80E-05	2.08E-05	2.31E-05	2.47E-05	3.04E-06	1.45E-05	0.00E+00	4.52E-07	0.00E+00
North Carolina	Catawba County	37035	U	1,3-Butadiene	1.41E-02	1.51E-02	2.36E-02	3.84E-02	5.49E-02	7.02E-02	1.10E-01	1.91E-01	1.62E-04	1.14E-03	4.59E-02	7.67E-03	0.00E+00
North Carolina	Catawba County	37035	U	Cadmium Compounds	9.78E-06	1.03E-05	1.40E-05	1.59E-05	1.89E-05	1.93E-05	3.69E-05	3.09E-06	1.54E-05	0.00E+00	4.51E-07	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Carbon Disulfide	4.79E-02	4.79E-02	4.81E-02	4.83E-02	4.88E-02	4.89E-02	5.10E-02	5.10E-02	1.51E-06	1.78E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Catawba County	37035	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	6.22E-06	3.69E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Catawba County	37035	U	Chloroform	9.33E-02	9.49E-02	9.73E-02	9.89E-02	1.01E-01	1.04E-01	1.09E-01	1.09E-01	7.27E-06	1.77E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Catawba County	37035	U	Chromium Compounds (includes Hexavalent)	5.30E-04	5.79E-04	8.87E-04	1.13E-03	1.12E-03	1.39E-03	1.63E-03	1.66E-03	3.54E-04	7.25E-04	4.18E-05	1.19E-06	0.00E+00
North Carolina	Catawba County	37035	U	Chromium VI	2.46E-04	4.27E-04	6.23E-04	7.30E-04	7.53E-04	9.58E-04	1.04E-03	1.12E-03	2.27E-04	5.09E-04	1.67E-05	4.04E-07	0.00E+00
North Carolina	Catawba County	37035	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 Carolina	Catawba County	37035	U	1,4-Dichlorobenzene	1.39E-02	1.39E-02	1.88E-02	2.15E-02	2.28E-02	2.73E-02	3.23E-02	3.31E-02	3.11E-07	2.28E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	1,3-Dichloropropene	2.64E-02	2.67E-02	3.64E-02	4.24E-02	4.50E-02	5.38E-02	6.45E-02	6.62E-02	0.00E+00	4.50E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	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	1.30E-08	2.83E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Catawba County	37035	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.11E-02	6.12E-02	6.17E-02	2.60E-05	1.24E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Catawba County	37035	U	Ethylene Oxide	2.80E-04	2.82E-04	3.60E-04	4.52E-04	6.84E-04	8.24E-04	1.24E-03	2.27E-03	7.02E-08	6.84E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Formaldehyde	5.55E-01	5.77E-01	6.11E-01	6.86E-01	7.46E-01	7.91E-01	1.01E+00	1.26E+00	3.02E-02	6.18E-02	3.33E-01	7.08E-02	2.50E-01
North Carolina	Catawba County	37035	U	Hexachlorobenzene	9.46E-05	9.47E-05	9.54E-05	9.58E-05	9.60E-05	9.70E-05	9.75E-05	9.75E-05	1.37E-07	2.89E-06	0.00E+00	0.00E+00	9.30E-05
North Carolina	Catawba County	37035	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	2.15E-06	0.00E+00	0.00E+00	1.80E-03
North Carolina	Catawba County	37035	U	Hexamethylene Diisocyanate	2.11E-07	2.42E-07	4.74E-07	6.71E-05	2.14E-04	3.72E-04	6.26E-04	8.49E-04	2.14E-04	8.99E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Hydrazine	7.04E-09	7.65E-09	1.32E-08	2.85E-08	4.04E-08	4.77E-08	1.29E-07	1.44E-07	2.05E-08	1.99E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Lead Compounds	3.24E-04	3.38E-04	4.84E-04	7.21E-04	1.33E-03	1.28E-03	3.32E-03	6.53E-03	4.15E-05	2.71E-04	0.00E+00	1.02E-03	0.00E+00
North Carolina	Catawba County	37035	U	Manganese Compounds	1.68E-03	1.75E-03	2.19E-03	3.15E-03	3.54E-03	4.53E-03	6.26E-03	6.43E-03	3.86E-04	3.14E-03	1.34E-05	1.02E-06	0.00E+00
North Carolina																	

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Catawba County	37035	U	Quinoline	7.20E-08	8.89E-08	1.01E-07	1.28E-07	1.60E-07	1.68E-07	2.50E-07	5.08E-07	0.00E+00	1.60E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	1,1,2,2-Tetrachloroethane	4.87E-05	6.73E-05	1.01E-04	1.28E-04	1.29E-04	1.40E-04	1.68E-04	1.99E-04	2.47E-06	1.27E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Catawba County	37035	U	Trichloroethylene	1.09E-01	1.16E-01	1.44E-01	1.94E-01	3.33E-01	3.12E-01	7.32E-01	9.79E-01	2.18E-01	3.41E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Catawba County	37035	U	Vinyl Chloride	1.31E-04	1.84E-04	2.63E-04	3.29E-04	3.33E-04	3.62E-04	4.23E-04	5.02E-04	3.45E-06	3.30E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Acetaldehyde	9.25E-02	9.25E-02	1.36E-01	2.01E-01	2.03E-01	2.63E-01	3.33E-01	3.33E-01	1.38E-02	2.89E-02	1.42E-01	1.88E-02	0.00E+00
North Carolina	Chatham County	37037	U	Acrolein	1.73E-02	1.73E-02	2.40E-02	3.24E-02	3.28E-02	4.19E-02	4.87E-02	6.08E-02	9.02E-03	2.01E-02	3.07E-03	0.00E+00	
North Carolina	Chatham County	37037	U	Acrylonitrile	5.16E-05	5.16E-05	9.64E-05	1.32E-04	1.40E-04	1.50E-04	3.11E-04	3.11E-04	1.13E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Arsenic Compounds	5.89E-05	5.89E-05	6.42E-05	1.10E-04	2.42E-04	1.97E-04	1.14E-03	1.14E-03	5.76E-05	1.66E-04	1.47E-05	4.07E-06	0.00E+00
North Carolina	Chatham County	37037	U	Benzene	6.14E-01	6.14E-01	6.64E-01	7.56E-01	7.58E-01	8.51E-01	9.11E-01	9.11E-01	2.28E-04	7.21E-02	1.76E-01	3.04E-02	4.80E-01
North Carolina	Chatham County	37037	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	1.17E-06	1.11E-06	2.03E-06	2.50E-06	2.50E-06	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Beryllium Compounds	1.07E-06	1.07E-06	2.03E-06	3.58E-06	4.91E-06	7.87E-06	1.12E-05	1.12E-05	3.26E-06	1.56E-06	0.00E+00	8.22E-08	0.00E+00
North Carolina	Chatham County	37037	U	1,3-Butadiene	5.55E-03	5.55E-03	5.88E-03	8.24E-03	9.61E-03	1.01E-02	2.30E-02	3.02E-02	3.20E-06	1.96E-03	5.99E-03	1.66E-03	0.00E+00
North Carolina	Chatham County	37037	U	Cadmium Compounds	2.75E-06	2.75E-06	5.00E-06	8.78E-06	7.57E-06	9.36E-06	1.15E-05	1.15E-05	1.50E-06	5.99E-06	0.00E+00	8.17E-08	0.00E+00
North Carolina	Chatham County	37037	U	Carbon Disulfide	4.77E-02	4.77E-02	4.78E-02	5.11E-02	5.06E-02	5.28E-02	5.36E-02	5.86E-02	2.89E-03	7.03E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Chatham County	37037	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	1.61E-06	1.24E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Chatham County	37037	U	Chloroform	8.72E-02	8.72E-02	8.99E-02	9.42E-02	9.48E-02	9.95E-02	1.04E-01	1.04E-01	1.73E-07	1.18E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Chatham County	37037	U	Chromium Compounds (includes Hexavalent)	1.46E-04	1.46E-04	2.08E-04	3.07E-04	3.95E-04	3.91E-04	1.21E-03	1.21E-03	8.93E-05	2.95E-04	1.10E-05	3.82E-07	0.00E+00
North Carolina	Chatham County	37037	U	Chromium VI	6.26E-05	6.26E-05	1.07E-04	1.65E-04	1.77E-04	2.00E-04	4.10E-04	4.10E-04	5.13E-05	1.21E-04	4.40E-06	1.30E-07	0.00E+00
North Carolina	Chatham County	37037	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 Carolina	Chatham County	37037	U	1,4-Dichlorobenzene	3.87E-03	3.87E-03	5.60E-03	8.23E-03	8.55E-03	1.11E-02	1.45E-02	1.45E-02	1.30E-06	8.55E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	1,3-Dichloropropene	7.40E-03	7.40E-03	9.76E-03	1.51E-02	1.59E-02	2.11E-02	2.75E-02	2.75E-02	0.00E+00	1.59E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	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	1.61E-08	1.14E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Chatham County	37037	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	1.60E-06	2.18E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Chatham County	37037	U	Ethylene Oxide	7.33E-05	7.33E-05	5.44E-04	7.07E-04	7.26E-04	1.00E-03	1.23E-03	1.23E-03	7.10E-05	6.55E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Formaldehyde	4.07E-01	4.07E-01	4.46E-01	5.07E-01	5.31E-01	5.99E-01	7.36E-01	7.36E-01	9.77E-02	4.37E-02	1.05E-01	3.43E-02	2.50E-01
North Carolina	Chatham County	37037	U	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.35E-05	9.44E-05	9.44E-05	0.00E+00	4.97E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Chatham County	37037	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	6.21E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Chatham County	37037	U	Hexamethylene Diisocyanate	2.83E-07	2.83E-07	4.43E-07	1.33E-05	1.52E-05	3.01E-05	3.39E-05	3.39E-05	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Hydrazine	1.10E-09	1.10E-09	1.24E-09	1.46E-09	1.89E-09	2.32E-09	3.95E-09	3.95E-09	0.00E+00	1.89E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Lead Compounds	1.32E-04	1.32E-04	2.99E-04	3.59E-04	7.01E-04	9.12E-04	2.34E-03	2.34E-03	2.75E-05	2.28E-04	0.00E+00	4.46E-04	0.00E+00
North Carolina	Chatham County	37037	U	Manganese Compounds	3.52E-04	3.52E-04	5.61E-04	6.42E-04	9.49E-04	1.27E-03	2.29E-03	2.29E-03	1.35E-04	8.10E-04	3.33E-06	3.90E-07	0.00E+00
North Carolina	Chatham County	37037	U	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.54E-03	1.55E-03	1.56E-03	1.56E-03	1.71E-05	6.25E-06	1.58E-05	3.45E-06	1.50E-03
North Carolina	Chatham County	37037	U	Methylene Chloride	1.78E-01	1.78E-01	1.82E-01	1.87E-01	2.12E-01	2.42E-01	2.94E-01	2.94E-01	2.27E-02	3.90E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Chatham County	37037	U	Nickel Compounds	6.52E-05	6.52E-05	7.22E-05	8.22E-05	1.12E-04	1.47E-04	2.31E-04	2.31E-04	5.73E-05	4.63E-05	8.14E-06	6.13E-07	0.00E+00
North Carolina	Chatham County	37037	U	Perchloroethylene	1.45E-01	1.45E-01	1.51E-01	1.57E-01	1.56E-01	1.59E-01	1.65E-01	1.65E-01	3.56E-03	1.22E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Chatham County	37037	U	Polychlorinated Biphenyls	4.04E-04	4.04E-04	4.09E-04	4.23E-04	4.37E-04	4.41E-04	5.48E-04	5.48E-04	0.00E+00	5.74E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Chatham County	37037	U	Polycyclic Organic Matter	1.22E-02	1.22E-02	1.49E-02	1.96E-02	2.00E-02	2.41E-02	3.08E-02	3.08E-02	2.04E-03	1.35E-02	3.88E-03	5.67E-04	0.00E+00
North Carolina	Chatham County	37037	U	7-PAH	6.76E-04	6.76E-04	6.87E-04	7.68E-04	9.02E-04	9.42E-04	1.75E-03	1.75E-03	1.40E-10	8.70E-04	2.65E-05	6.18E-06	0.00E+00
North Carolina	Chatham County	37037	U	Propylene Dichloride	6.23E-06	6.23E-06	9.72E-06	1.11E-05	1.87E-05	2.26E-05	5.67E-05	5.67E-05	6.69E-07	1.80E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Quinoline	4.52E-08	4.52E-08	4.99E-08	6.26E-08	7.16E-08	8.11E-08	1.40E-07	1.40E-07	0.00E+00	7.16E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	1,1,2,2-Tetrachloroethane	1.89E-05	1.89E-05	3.68E-05	4.81E-05	5.67E-05	6.75E-05	1.53E-04	1.53E-04	5.81E-06	5.09E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chatham County	37037	U	Trichloroethylene	8.58E-02	8.58E-02	8.60E-02	8.64E-02	8.76E-02	8.87E-02	9.28E-02	9.28E-02	6.82E-04	5.94E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Chatham County	37037	U	Vinyl Chloride	4.94E-05	4.94E-05	9.38E-05	1.22E-04	1.43E-04	1.43E-04	3.80E-04	3.80E-04	1.43E-05	1.29E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Acetaldehyde	2.20E-02	2.20E-02	3.58E-02	4.23E-02	3.95E-02	4.53E-02	4.92E-02	4.92E-02	6.03E-04	8.73E-03	2.76E-02	2.60E-03	0.00E+00
North Carolina	Cherokee County	37039	R	Acrolein	1.07E-02	1.07E-02	1.48E-02	1.52E-02	1.48E-02	1.62E-02	1.65E-02	1.65E-02	6.09E-04	9.26E-03	4.05E-03	8.24E-04	0.00E+00
North Carolina	Cherokee County	37039	R	Acrylonitrile	1.82E-05	1.82E-05	4.24E-05	6.03E-05	1.01E-04	7.40E-05	3.50E-04	3.50E-04	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Arsenic Compounds	3.46E-06	3.46E-06	6.16E-06	9.25E-06	8.95E-06	1.12E-05	1.44E-05	1.44E-05	7.95E-07	2.42E-06	4.95E-06	7.78E-07	0.00E+00
North Carolina	Cherokee County	37039	R	Benzene	5.39E-01	5.39E-01	5.74E-01	5.84E-01	5.81E-01	5.98E-01	6.08E-01	6.08E-01	1.77E-04	4.50E-02	4.46E-02	1.13E-02	4.80E-01
North Carolina	Cherokee County	37039	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 Carolina	Cherokee County	37039	R	Beryllium Compounds	2.50E-07	2.50E-07	3.50E-07	6.81E-07	6.67E-07	8.75E-07	1.16E-06	1.16E-06	5.80E-08	5.93E-07	0.00E+00	1.56E-08	0.00E+00
North Carolina	Cherokee County	37039	R	1,3-Butadiene	2.93E-03	2.93E-03	4.76E-03	5.20E-03	5.39E-03	6.82E-03	7.43E-03	7.43E-03	1.81E-05	2.05E-03	2.78E-03	5.35E-04	0.00E+00
North Carolina	Cherokee County	37039	R	Cadmium Compounds	6.15E-07	6.15E-07	7.60E-07	1.50E-06	1.53E-06	1.97E-06	2.88E-06	2.88E-06	1.76E-07	1.34E-06	0.00E+00	1.54E-08	0.00E+00
North Carolina	Cherokee County	37039	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	0.00E+00	1.48E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Cherokee County	37039	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	1.27E-06	4.11E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Cherokee County	37039	R	Chloroform	8.42E-02	8.42E-02	8.51E-02	8.61E-02	8.58E-02	8.65E-02	8.67E-02	8.67E-02	1.24E-06	2.80E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Cherokee County	37039	R	Chromium Compounds (includes Hexavalent)	1.92E-05	1.92E-05	2.00E-05	3.81E-05	6.10E-05	1.13E-04	1.30E-04	1.30E-04	3.67E-05	2.12E-05	3.05E-06	1.10E-07	0.00E+00
North Carolina	Cherokee County	37039	R	Chromium VI													

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Cherokee County	37039	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	9.34E-05	9.34E-05	9.34E-05	9.34E-05	2.38E-08	2.49E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Cherokee County	37039	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.18E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Cherokee County	37039	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-06	2.32E-05	2.76E-05	2.76E-05	0.00E+00	8.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-13	7.93E-13	1.61E-12	1.61E-12	0.00E+00	4.00E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Lead Compounds	3.12E-05	3.12E-05	8.82E-05	9.66E-05	1.16E-04	1.78E-04	2.06E-04	2.06E-04	2.01E-06	1.12E-04	0.00E+00	2.22E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Manganese Compounds	2.77E-05	2.77E-05	4.02E-05	6.78E-05	1.10E-04	1.71E-04	2.85E-04	2.85E-04	5.55E-05	5.34E-05	9.83E-07	8.41E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	0.00E+00	3.09E-06	5.71E-06	6.29E-07	1.50E-03	0.00E+00						
North Carolina	Cherokee County	37039	R	Methylene Chloride	1.54E-01	1.54E-01	1.57E-01	1.63E-01	1.63E-01	1.68E-01	1.71E-01	1.71E-01	1.32E-05	1.27E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Cherokee County	37039	R	Nickel Compounds	1.43E-05	1.43E-05	1.67E-05	4.01E-05	6.14E-05	1.06E-04	1.51E-04	1.51E-04	6.11E-06	5.28E-05	2.28E-06	1.39E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Perchloroethylene	1.43E-01	1.43E-01	1.43E-01	1.44E-01	1.45E-01	1.45E-01	1.48E-01	1.48E-01	1.75E-06	4.62E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Cherokee County	37039	R	Polychlorinated Biphenyls	3.92E-04	3.92E-04	4.01E-04	4.09E-04	4.10E-04	4.18E-04	4.27E-04	4.27E-04	2.22E-09	2.95E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Cherokee County	37039	R	Polycyclic Organic Matter	4.82E-03	4.82E-03	7.22E-03	8.73E-03	8.27E-03	9.71E-03	1.04E-02	1.04E-02	1.03E-04	7.02E-03	1.05E-03	1.01E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	7-PAH	5.00E-04	5.00E-04	6.56E-04	7.22E-04	6.97E-04	7.72E-04	8.10E-04	8.10E-04	0.00E+00	6.87E-04	7.69E-06	2.11E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Propylene Dichloride	2.23E-06	2.23E-06	3.11E-06	6.02E-06	7.88E-06	7.65E-06	2.22E-05	2.22E-05	1.53E-06	6.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-11	3.01E-11	4.26E-11	4.26E-11	0.00E+00	1.21E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	1,1,2,2-Tetrachloroethane	8.35E-06	8.35E-06	1.40E-05	2.39E-05	4.80E-05	3.49E-05	1.83E-04	1.83E-04	0.00E+00	4.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cherokee County	37039	R	Trichloroethylene	8.13E-02	8.13E-02	8.15E-02	8.27E-02	8.29E-02	8.43E-02	8.47E-02	8.47E-02	1.44E-06	1.88E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Carolina	Cherokee County	37039	R	Vinyl Chloride	2.11E-05	2.11E-05	3.64E-05	9.05E-05	1.39E-04	1.47E-04	4.51E-04	4.51E-04	2.09E-05	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Acetaldehyde	6.76E-02	6.76E-02	6.76E-02	7.55E-02	7.55E-02	8.34E-02	8.34E-02	8.34E-02	3.76E-02	4.85E-03	2.00E-02	1.30E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Acrolein	8.75E-03	8.75E-03	8.75E-03	9.40E-03	9.40E-03	1.00E-02	1.00E-02	1.00E-02	6.52E-04	3.65E-03	3.17E-03	1.92E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Acrylonitrile	9.53E-05	9.53E-05	9.53E-05	1.13E-04	1.13E-04	1.30E-04	1.30E-04	1.30E-04	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Arsenic Compounds	1.84E-05	1.84E-05	1.84E-05	5.12E-05	5.12E-05	8.39E-05	8.39E-05	8.39E-05	5.65E-06	4.02E-05	3.46E-06	1.86E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Benzene	5.93E-01	5.93E-01	5.93E-01	6.31E-01	6.31E-01	6.68E-01	6.68E-01	6.68E-01	4.86E-02	6.68E-02	3.80E-02	3.73E-02	4.80E-01	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	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 Carolina	Chowan County	37041	R	Beryllium Compounds	1.70E-06	1.70E-06	1.70E-06	7.52E-06	7.52E-06	1.33E-05	1.33E-05	1.33E-05	8.02E-07	6.71E-06	0.00E+00	6.13E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	1,3-Butadiene	3.62E-03	3.62E-03	3.62E-03	5.32E-03	5.32E-03	7.03E-03	7.03E-03	7.03E-03	9.54E-11	8.18E-04	2.60E-03	1.90E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Cadmium Compounds	5.67E-06	5.67E-06	5.67E-06	8.12E-06	8.12E-06	1.06E-05	1.06E-05	1.06E-05	3.67E-06	4.45E-06	0.00E+00	8.72E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Carbon Disulfide	4.82E-02	4.82E-02	4.82E-02	4.87E-02	4.87E-02	4.92E-02	4.92E-02	4.92E-02	1.59E-03	1.35E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Chowan County	37041	R	Carbon Tetrachloride	8.83E-01	8.83E-01	8.83E-01	8.84E-01	8.84E-01	8.85E-01	8.85E-01	8.85E-01	4.06E-03	2.86E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Chowan County	37041	R	Chloroform	9.32E-02	9.32E-02	9.32E-02	9.65E-02	9.65E-02	9.99E-02	9.99E-02	9.99E-02	1.25E-02	1.04E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Chowan County	37041	R	Chromium Compounds (includes Hexavalent)	1.34E-04	1.34E-04	1.34E-04	2.61E-04	2.61E-04	3.87E-04	3.87E-04	3.87E-04	1.11E-04	1.47E-04	2.24E-06	3.08E-07	1.05E-07	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Chromium VI	5.23E-05	5.23E-05	5.23E-05	1.37E-04	1.37E-04	2.21E-04	2.21E-04	2.21E-04	3.87E-05	9.70E-05	8.89E-07	1.05E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	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 Carolina	Chowan County	37041	R	1,4-Dichlorobenzene	1.89E-03	1.89E-03	1.89E-03	2.27E-03	2.27E-03	2.66E-03	2.66E-03	2.66E-03	1.04E-08	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	1,3-Dichloropropene	3.69E-03	3.69E-03	3.69E-03	4.48E-03	4.48E-03	5.27E-03	5.27E-03	5.27E-03	0.00E+00	4.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.96E-08	4.23E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Chowan County	37041	R	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	6.13E-02	2.26E-04	1.58E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Chowan County	37041	R	Ethylene Oxide	3.65E-05	3.65E-05	3.65E-05	9.38E-05	9.38E-05	1.51E-04	1.51E-04	1.51E-04	0.00E+00	9.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Formaldehyde	3.14E-01	3.14E-01	3.14E-01	3.20E-01	3.20E-01	3.25E-01	3.25E-01	3.25E-01	3.25E-01	1.20E-02	2.21E-02	1.99E-02	1.57E-02	2.50E-01	0.00E+00
North Carolina	Chowan County	37041	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	1.62E-08	1.69E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Chowan County	37041	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	1.53E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Carolina	Chowan County	37041	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 Carolina	Chowan County	37041	R	Hydrazine	1.13E-05	1.13E-05	1.13E-05	1.29E-05	1.29E-05	1.46E-05	1.46E-05	1.46E-05	1.29E-05	2.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Lead Compounds	2.36E-04	2.36E-04	2.36E-04	3.38E-04	3.38E-04	4.39E-04	4.39E-04	4.39E-04	1.44E-05	1.01E-04	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Manganese Compounds	5.67E-04	5.67E-04	5.67E-04	6.12E-04	6.12E-04	6.58E-04	6.58E-04	6.58E-04	6.76E-05	5.44E-04	7.01E-07	2.33E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	5.37E-06	2.10E-06	3.91E-06	1.45E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Methylene Chloride	1.56E-01	1.56E-01	1.56E-01	1.60E-01	1.60E-01	1.64E-01	1.64E-01	1.64E-01	4.98E-04	9.49E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Chowan County	37041	R	Nickel Compounds	2.17E-04	2.17E-04	2.17E-04	3.55E-04	3.55E-04	4.93E-04	4.93E-04	4.93E-04	1.43E-04	2.10E-04	1.71E-06	9.84E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Chowan County	37041	R	Perchloroethylene	1.46E-01	1.46E-01	1.46E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01	1.47E-01	4.69E-04	6.19E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Chowan County	37041	R	Polychlorinated Biphenyls	3.94E-04	3.94E-04	3.94E-04	3.97E-04	3.97E-04	4.00E-04	4.00E-04	4.00E-04	1.41E-09	1.69E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Chowan County	37041	R	Polycyclic Organic Matter	5.07E-03	5													

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Clay County	37043	R	1,3-Butadiene	3.46E-03	3.46E-03	3.46E-03	4.46E-03	4.46E-03	5.45E-03	5.45E-03	5.45E-03	2.65E-06	1.78E-03	1.96E-03	7.14E-04	0.00E+00
North Carolina	Clay County	37043	R	Cadmium Compounds	7.63E-07	7.63E-07	7.63E-07	1.20E-06	1.20E-06	1.63E-06	1.63E-06	1.63E-06	8.28E-08	1.11E-06	0.00E+00	1.85E-09	0.00E+00
North Carolina	Clay County	37043	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	1.32E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Clay County	37043	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	6.15E-07	3.87E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Clay County	37043	R	Chloroform	8.48E-02	8.48E-02	8.48E-02	8.59E-02	8.59E-02	8.69E-02	8.69E-02	8.69E-02	6.01E-07	2.88E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Clay County	37043	R	Chromium Compounds (includes Hexavalent)	1.47E-05	1.47E-05	1.47E-05	2.75E-05	2.75E-05	4.03E-05	4.03E-05	4.03E-05	1.71E-05	7.90E-06	2.33E-06	1.28E-07	0.00E+00
North Carolina	Clay County	37043	R	Chromium VI	1.25E-05	1.25E-05	1.25E-05	2.47E-05	2.47E-05	3.68E-05	3.68E-05	3.68E-05	1.71E-05	6.54E-06	9.29E-07	4.34E-08	0.00E+00
North Carolina	Clay County	37043	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 Carolina	Clay County	37043	R	1,4-Dichlorobenzene	1.55E-03	1.55E-03	1.55E-03	2.49E-03	2.49E-03	3.43E-03	3.43E-03	3.43E-03	7.49E-09	2.49E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Clay County	37043	R	1,3-Dichloropropene	3.03E-03	3.03E-03	3.03E-03	4.92E-03	4.92E-03	6.81E-03	6.81E-03	6.81E-03	0.00E+00	4.92E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Clay County	37043	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.37E-08	0.00E+00	0.00E+00	7.70E-03
North Carolina	Clay County	37043	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	2.92E-06	3.92E-06	0.00E+00	0.00E+00	6.10E-02
North Carolina	Clay County	37043	R	Ethylene Oxide	3.00E-05	3.00E-05	3.00E-05	4.12E-05	4.12E-05	5.24E-05	5.24E-05	5.24E-05	0.00E+00	4.12E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Clay County	37043	R	Formaldehyde	3.04E-01	3.04E-01	3.04E-01	3.11E-01	3.11E-01	3.18E-01	3.18E-01	3.18E-01	2.28E-04	3.57E-02	1.97E-02	5.45E-03	2.50E-01
North Carolina	Clay County	37043	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	1.15E-08	2.33E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Clay County	37043	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.06E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Clay County	37043	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	1.27E-05	1.27E-05	2.54E-05	2.54E-05	2.54E-05	0.00E+00	1.27E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Clay County	37043	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 Carolina	Clay County	37043	R	Lead Compounds	1.11E-05	1.11E-05	1.11E-05	5.13E-05	5.13E-05	9.15E-05	9.15E-05	9.15E-05	9.46E-07	5.02E-05	0.00E+00	2.22E-07	0.00E+00
North Carolina	Clay County	37043	R	Manganese Compounds	1.73E-04	1.73E-04	1.73E-04	2.05E-04	2.05E-04	2.36E-04	2.36E-04	2.36E-04	2.57E-05	1.78E-04	6.89E-07	8.97E-08	0.00E+00
North Carolina	Clay County	37043	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	2.82E-06	4.47E-06	6.09E-07	1.50E-03
North Carolina	Clay County	37043	R	Methylene Chloride	1.55E-01	1.55E-01	1.55E-01	1.61E-01	1.61E-01	1.67E-01	1.67E-01	1.67E-01	6.36E-06	1.10E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Clay County	37043	R	Nickel Compounds	1.05E-05	1.05E-05	1.05E-05	2.72E-05	2.72E-05	4.39E-05	4.39E-05	4.39E-05	2.84E-06	2.25E-05	1.75E-06	1.51E-07	0.00E+00
North Carolina	Clay County	37043	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	8.42E-07	3.86E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Clay County	37043	R	Polychlorinated Biphenyls	3.95E-04	3.95E-04	3.95E-04	4.08E-04	4.08E-04	4.21E-04	4.21E-04	4.21E-04	1.07E-09	2.78E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Clay County	37043	R	Polycyclic Organic Matter	5.33E-03	5.33E-03	5.33E-03	7.59E-03	7.59E-03	9.84E-03	9.84E-03	9.84E-03	5.01E-05	6.1E-03	8.10E-04	1.14E-04	0.00E+00
North Carolina	Clay County	37043	R	7-PAH	5.41E-04	5.41E-04	5.41E-04	6.78E-04	6.78E-04	8.15E-04	8.15E-04	8.15E-04	0.00E+00	6.70E-04	5.98E-06	2.40E-06	0.00E+00
North Carolina	Clay County	37043	R	Propylene Dichloride	2.38E-06	2.38E-06	2.38E-06	2.77E-06	2.77E-06	3.17E-06	3.17E-06	3.17E-06	7.42E-07	2.03E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Clay County	37043	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 Carolina	Clay County	37043	R	1,1,2,2-Tetrachloroethane	1.08E-05	1.08E-05	1.08E-05	1.37E-05	1.37E-05	1.66E-05	1.66E-05	1.66E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Clay County	37043	R	Trichloroethylene	8.13E-02	8.13E-02	8.13E-02	8.20E-02	8.20E-02	8.26E-02	8.26E-02	8.26E-02	6.90E-07	9.62E-04	0.00E+00	0.00E+00	8.10E-02
North Carolina	Clay County	37043	R	Vinyl Chloride	3.86E-05	3.86E-05	3.86E-05	3.98E-05	3.98E-05	4.10E-05	4.10E-05	4.10E-05	6.02E-06	3.38E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Acetaldehyde	2.18E-01	2.22E-01	3.63E-01	4.52E-01	5.29E-01	5.68E-01	1.08E+00	1.36E+00	2.26E-01	2.65E-02	2.52E-01	2.39E-02	0.00E+00
North Carolina	Cleveland County	37045	R	Acrolein	3.66E-02	3.79E-02	4.26E-02	4.68E-02	5.29E-02	5.50E-02	8.14E-02	1.12E-01	5.88E-04	1.33E-02	3.43E-02	4.70E-03	0.00E+00
North Carolina	Cleveland County	37045	R	Acrylonitrile	1.76E-04	1.45E-04	5.80E-04	7.79E-04	1.19E-03	1.13E-03	2.25E-03	6.24E-03	8.26E-06	1.18E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Arsenic Compounds	5.07E-05	5.26E-05	6.17E-05	7.63E-05	9.18E-05	8.60E-05	1.65E-04	2.72E-04	3.21E-05	1.76E-05	3.60E-05	6.15E-06	0.00E+00
North Carolina	Cleveland County	37045	R	Benzene	8.13E-01	8.15E-01	8.69E-01	9.70E-01	1.11E+00	1.12E+00	1.52E+00	2.69E+00	1.00E-03	7.71E-01	4.01E-01	5.61E-02	4.80E-01
North Carolina	Cleveland County	37045	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-14	0.00E+00	5.65E-13	6.05E-13	0.00E+00	7.13E-14	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Beryllium Compounds	6.12E-06	8.39E-06	1.01E-05	1.23E-05	1.41E-05	1.62E-05	2.09E-05	3.30E-05	1.65E-06	1.18E-05	0.00E+00	6.51E-07	0.00E+00
North Carolina	Cleveland County	37045	R	1,3-Butadiene	8.12E-03	9.02E-03	1.03E-02	1.62E-02	3.22E-02	3.18E-02	6.65E-02	2.01E-01	4.78E-07	1.42E-03	2.59E-02	4.91E-03	0.00E+00
North Carolina	Cleveland County	37045	R	Cadmium Compounds	9.22E-06	9.61E-06	1.02E-05	1.21E-05	1.36E-05	1.60E-05	1.87E-05	2.53E-05	4.23E-06	8.72E-06	0.00E+00	6.49E-07	0.00E+00
North Carolina	Cleveland County	37045	R	Carbon Disulfide	4.74E-02	4.75E-02	4.77E-02	4.78E-02	4.79E-02	4.81E-02	4.86E-02	4.87E-02	3.02E-05	8.70E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Cleveland County	37045	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	1.54E-06	1.83E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Cleveland County	37045	R	Chloroform	8.90E-02	9.08E-02	9.21E-02	9.50E-02	9.67E-02	1.01E-01	1.07E-01	1.07E-01	4.00E-06	1.37E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Cleveland County	37045	R	Chromium Compounds (includes Hexavalent)	2.39E-04	2.78E-04	3.00E-04	3.47E-04	3.91E-04	4.24E-04	6.52E-04	7.52E-04	1.33E-04	2.32E-04	2.54E-05	9.24E-07	0.00E+00
North Carolina	Cleveland County	37045	R	Chromium VI	9.96E-05	1.13E-04	1.85E-04	2.18E-04	2.45E-04	2.88E-04	3.50E-04	5.74E-04	5.54E-05	1.79E-04	1.01E-05	3.14E-07	0.00E+00
North Carolina	Cleveland County	37045	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 Carolina	Cleveland County	37045	R	1,4-Dichlorobenzene	9.11E-03	1.06E-02	1.25E-02	1.54E-02	1.96E-02	2.53E-02	3.77E-02	3.82E-02	1.73E-06	1.96E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	1,3-Dichloropropene	1.72E-02	2.03E-02	2.41E-02	2.99E-02	3.85E-02	5.03E-02	7.56E-02	7.68E-02	0.00E+00	3.85E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	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	1.74E-08	6.54E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Cleveland County	37045	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.13E-02	6.18E-02	7.41E-06	1.57E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Cleveland County	37045	R	Ethylene Oxide	2.23E-04	3.39E-04	5.42E-04	9.08E-04	1.28E-03	1.73E-03	3.19E-03	4.13E-03	1.43E-04	1.14E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Formaldehyde	4.76E-01	4.81E-01	5.06E-01	5.21E-01	6.07E-01	5.95E-01	7.93E-01	1.44E+00	2.87E-02	6.08E-02	2.19E-01	4.84E-02	2.50E-01
North Carolina	Cleveland County	37045	R	Hexachlorobenzene	9.39E-05	9.39E-05	9.46E-05	9.48E-05	9.49E-05	9.54E-05	9.59E-05	9.60E-05	3.01E-08	1.89E-06	0.00E+00	0.00E+00	9.30E-05
North Carolina	Cleveland County	37045	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	1.33E-04	8.62E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Cleveland County	37045	R	Hexamethylene Diisocyanate	7.19E-07	7.77E-07	6.86E-06	1.36E-04	1.03E-04	1.66E-04	1.84E-04	2.22E-04	9.90E-05	3.56E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Hydrazine	1.96E-10	2.13E-10	8.63E-10	1.41E									

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts						Contribution to Average from ...						
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
North Carolina	Cleveland County	37045	R	Polycyclic Organic Matter	2.57E-02	2.63E-02	3.07E-02	3.75E-02	4.17E-02	4.81E-02	6.31E-02	8.52E-02	1.56E-04	3.16E-02	8.83E-03	1.05E-03	0.00E+00
North Carolina	Cleveland County	37045	R	7-PAH	1.31E-03	1.42E-03	1.59E-03	1.91E-03	1.90E-03	2.13E-03	2.56E-03	2.76E-03	1.65E-06	1.83E-03	6.21E-05	1.02E-05	0.00E+00
North Carolina	Cleveland County	37045	R	Propylene Dichloride	2.95E-05	3.00E-05	3.41E-05	5.08E-05	7.67E-05	7.32E-05	1.43E-04	3.87E-04	2.01E-06	7.46E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Quinoline	7.25E-09	9.60E-09	1.12E-08	4.52E-08	4.12E-08	6.11E-08	7.41E-08	9.19E-08	0.00E+00	4.12E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	1,1,2,2-Tetrachloroethane	7.27E-05	2.09E-04	2.41E-04	3.85E-04	6.15E-04	5.97E-04	1.22E-03	3.43E-03	4.23E-06	6.11E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Cleveland County	37045	R	Trichloroethylene	8.55E-02	8.62E-02	8.82E-02	9.79E-02	1.01E-01	1.11E-01	1.27E-01	1.15E-01	5.42E-03	1.43E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Cleveland County	37045	R	Vinyl Chloride	2.07E-04	6.10E-04	6.50E-04	9.75E-04	1.55E-03	1.51E-03	3.02E-03	8.47E-03	1.10E-05	1.54E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Acetaldehyde	7.60E-02	8.35E-02	9.04E-02	9.47E-02	1.78E-01	1.71E-01	4.98E-01	6.18E-01	1.15E-01	7.15E-03	4.79E-02	7.19E-03	0.00E+00
North Carolina	Columbus County	37047	R	Acrolein	1.25E-02	1.45E-02	1.60E-02	1.85E-02	2.10E-02	2.49E-02	2.93E-02	4.23E-02	5.59E-03	7.32E-03	6.86E-03	1.22E-03	0.00E+00
North Carolina	Columbus County	37047	R	Acrylonitrile	4.66E-05	8.15E-05	1.07E-04	1.51E-04	4.87E-04	2.78E-04	1.45E-03	3.15E-03	1.92E-05	4.67E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Arsenic Compounds	1.16E-04	1.20E-04	1.35E-04	2.19E-04	2.48E-04	3.39E-04	4.14E-04	4.80E-04	2.33E-04	6.30E-06	6.81E-06	1.97E-06	0.00E+00
North Carolina	Columbus County	37047	R	Benzene	5.81E-01	5.82E-01	5.83E-01	6.16E-01	6.18E-01	6.40E-01	6.55E-01	7.02E-01	4.61E-03	4.83E-02	7.08E-02	1.41E-02	4.80E-01
North Carolina	Columbus County	37047	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 Carolina	Columbus County	37047	R	Beryllium Compounds	1.05E-05	1.48E-05	1.64E-05	2.87E-05	3.25E-05	4.48E-05	6.00E-05	6.31E-05	3.17E-05	7.10E-07	0.00E+00	8.69E-08	0.00E+00
North Carolina	Columbus County	37047	R	1,3-Butadiene	4.24E-03	4.47E-03	4.72E-03	5.40E-03	6.18E-03	7.22E-03	8.00E-03	1.18E-02	2.40E-08	1.58E-03	3.87E-03	7.37E-04	0.00E+00
North Carolina	Columbus County	37047	R	Cadmium Compounds	1.38E-05	1.81E-05	2.04E-05	2.63E-05	4.80E-05	3.88E-05	4.50E-05	3.00E-04	4.54E-05	2.56E-06	0.00E+00	8.88E-08	0.00E+00
North Carolina	Columbus County	37047	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.84E-02	5.02E-02	4.88E-02	5.16E-02	7.33E-02	2.90E-03	2.99E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Columbus County	37047	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.83E-01	8.82E-01	8.85E-01	9.06E-01	3.15E-03	5.18E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Columbus County	37047	R	Chloroform	8.40E-02	8.43E-02	8.47E-02	1.25E-01	4.39E-01	1.44E-01	2.95E-01	4.17E+00	3.54E-01	1.44E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Columbus County	37047	R	Chromium Compounds (includes Hexavalent)	3.73E-04	4.53E-04	5.65E-04	1.23E-03	1.11E-03	1.51E-03	1.74E-03	2.17E-03	1.01E-03	1.02E-04	4.48E-06	1.67E-07	0.00E+00
North Carolina	Columbus County	37047	R	Chromium VI	2.57E-04	2.68E-04	3.45E-04	9.86E-04	8.45E-04	1.21E-03	1.36E-03	1.75E-03	8.07E-04	3.61E-05	1.78E-06	5.69E-08	0.00E+00
North Carolina	Columbus County	37047	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 Carolina	Columbus County	37047	R	1,4-Dichlorobenzene	2.53E-03	2.79E-03	2.93E-03	3.69E-03	4.00E-03	4.60E-03	5.44E-03	7.47E-03	1.86E-06	4.00E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	1,3-Dichloropropene	3.66E-03	4.25E-03	4.92E-03	5.87E-03	7.38E-03	9.09E-03	1.02E-02	1.47E-02	2.65E-06	7.38E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.42E-07	2.68E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Columbus County	37047	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.12E-02	6.13E-02	6.13E-02	6.15E-02	6.26E-02	2.29E-04	5.54E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Columbus County	37047	R	Ethylene Oxide	2.98E-05	4.19E-05	4.64E-05	5.86E-05	9.10E-05	1.03E-04	2.07E-04	2.39E-04	0.00E+00	9.10E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Formaldehyde	3.36E-01	3.51E-01	3.64E-01	3.69E-01	4.08E-01	4.02E-01	4.94E-01	7.43E-01	7.23E-02	3.50E-02	3.81E-02	1.26E-02	2.50E-01
North Carolina	Columbus County	37047	R	Hexachlorobenzene	9.31E-05	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.40E-05	0.00E+00	3.55E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Columbus County	37047	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.82E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Columbus County	37047	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-10	0.00E+00	0.00E+00	6.03E-09	4.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Hydrazine	8.16E-11	9.19E-11	2.08E-10	2.74E-10	1.09E-09	9.55E-10	4.52E-09	3.83E-09	0.00E+00	1.09E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Lead Compounds	2.82E-04	2.92E-04	4.74E-04	7.89E-04	7.42E-04	8.82E-04	1.22E-03	1.40E-03	6.06E-04	2.29E-05	0.00E+00	1.13E-04	0.00E+00
North Carolina	Columbus County	37047	R	Manganese Compounds	7.03E-04	7.45E-04	1.11E-03	1.38E-03	1.80E-03	1.98E-03	3.41E-03	4.77E-03	1.30E-03	5.04E-04	1.38E-06	2.06E-07	0.00E+00
North Carolina	Columbus County	37047	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.55E-03	1.54E-03	1.56E-03	1.84E-03	4.12E-05	4.26E-06	7.71E-06	1.75E-06	1.50E-03
North Carolina	Columbus County	37047	R	Methylene Chloride	1.64E-01	1.65E-01	1.67E-01	1.71E-01	2.10E-01	1.75E-01	2.05E-01	6.48E-01	4.27E-02	1.71E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Columbus County	37047	R	Nickel Compounds	2.29E-04	3.50E-04	4.12E-04	5.92E-04	1.85E-03	8.52E-04	1.15E-03	1.66E-02	1.80E-03	4.07E-05	3.39E-06	7.89E-07	0.00E+00
North Carolina	Columbus County	37047	R	Perchloroethylene	1.43E-01	1.43E-01	1.45E-01	1.45E-01	1.48E-01	1.47E-01	1.53E-01	1.80E-01	3.40E-03	5.07E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Columbus County	37047	R	Polychlorinated Biphenyls	3.92E-04	3.99E-04	4.05E-04	4.06E-04	4.19E-04	4.27E-04	4.43E-04	4.99E-04	4.04E-07	3.81E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Columbus County	37047	R	Polycyclic Organic Matter	6.71E-03	6.78E-03	7.32E-03	1.07E-02	1.13E-02	1.18E-02	1.48E-02	2.93E-02	1.95E-03	7.52E-03	1.56E-03	2.29E-04	0.00E+00
North Carolina	Columbus County	37047	R	7-PAH	4.79E-04	4.99E-04	5.42E-04	6.09E-04	6.50E-04	7.48E-04	8.18E-04	9.65E-04	2.17E-08	6.36E-04	1.14E-05	2.91E-06	0.00E+00
North Carolina	Columbus County	37047	R	Propylene Dichloride	2.55E-06	4.69E-06	6.42E-06	8.81E-06	2.91E-05	1.65E-05	8.65E-05	1.90E-04	1.16E-06	2.80E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Quinoline	2.15E-09	2.71E-09	3.18E-09	1.03E-08	1.79E-08	1.51E-08	6.58E-08	7.39E-08	0.00E+00	1.79E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	1,1,2,2-Tetrachloroethane	2.05E-05	4.02E-05	5.23E-05	7.64E-05	2.61E-04	1.47E-04	7.80E-04	1.74E-03	1.07E-05	2.50E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Columbus County	37047	R	Trichloroethylene	8.43E-02	8.55E-02	8.85E-02	9.15E-02	1.10E-01	9.40E-02	1.17E-01	3.07E-01	1.01E-03	2.80E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Columbus County	37047	R	Vinyl Chloride	5.06E-05	9.92E-05	1.31E-04	1.89E-04	6.44E-04	3.61E-04	1.92E-03	4.27E-03	2.63E-05	6.17E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Craven County	37049	U	Acetaldehyde	5.49E-02	7.08E-02	1.05E-01	1.19E-01	1.73E-01	1.90E-01	3.84E-01	4.41E-01	2.76E-02	8.53E-03	1.16E-01	2.09E-02	0.00E+00
North Carolina	Craven County	37049	U	Acrolein	1.81E-02	1.81E-02	1.84E-02	2.29E-02	3.03E-02	3.74E-02	5.69E-02	6.00E-02	5.95E-04	1.02E-02	1.58E-02	3.76E-03	0.00E+00
North Carolina	Craven County	37049	U	Acrylonitrile	2.28E-05	4.86E-05	6.20E-05	7.52E-05	1.15E-03	4.94E-04	1.04E-03	1.20E-02	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Craven County	37049	U	Arsenic Compounds	3.47E-05	3.86E-05	4.91E-05	7.72E-05	1.33E-04	1.63E-04	2.03E-04	6.26E-04	7.38E-05	3.21E-05	2.18E-05	4.99E-06	0.00E+00
North Carolina	Craven County	37049	U	Benzene	6.13E-01	6.20E-01	6.42E-01	7.04E-01	9.29E-01	9.72E-01	1.63E+00	1.91E+00	1.46E-03	6.66E-02	3.20E-01	6.13E-02	4.80E-01
North Carolina	Craven County	37049	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 Carolina	Craven County	37049	U	Beryllium Compounds	4.58E-06	6.39E-06	8.08E-06	9.88E-06	1.09E-05	1.15E-05	1.49E-05	2.84E-05	7.85E-06	3.01E-06	0.00E+00	8.11E-08	0.00E+00
North Carolina	Craven County	37049	U	1,3-Butadiene	5.52E-03	6.79E-03	7.61E-03	1.24E-02	3.85E-02	3.47E-02	1.16E-01	1.54E-01	2.80E-05	2.42E-03	3.16E-02	4.48E-03	0.00E+00
North Carolina	Craven County	37049	U	Cadmium Compounds	2.07E-05	2.78E-05	3.43E-05	3.88E-05	4.76E-05	4.96E-05	9.38E-05	9.66E-05	2.65E-05	2.10E-05	0.00E+00	8.62E-08	0.00E+00
North Carolina	Craven County	37049	U	Carbon Disulfide	4.74E-02	4.77E-02	4.77E-02	4.79E-02	4.84E-02	4.90E-02	4.97E-02	5.04E-02	5.65E-04	8.13E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Craven County	37049	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81										

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Craven County	37049	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.12E-02	6.11E-02	6.11E-02	6.25E-02	1.79E-05	1.35E-04	0.00E+00	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Craven County	37049	U	Ethylene Oxide	4.89E-05	6.03E-05	8.68E-05	1.51E-04	6.86E-04	4.10E-04	9.63E-04	5.89E-03	2.38E-09	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Formaldehyde	3.32E-01	3.45E-01	3.56E-01	3.85E-01	4.76E-01	4.83E-01	7.86E-01	8.86E-01	7.51E-03	4.60E-02	1.39E-01	3.40E-02	2.50E-01	0.00E+00	
North Carolina	Craven County	37049	U	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.38E-05	9.40E-05	9.43E-05	0.00E+00	5.42E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Craven County	37049	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	8.15E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Craven County	37049	U	Hexamethylene Diisocyanate	2.09E-07	1.10E-06	2.43E-06	6.24E-06	1.27E-04	3.52E-05	9.97E-05	1.39E-03	1.27E-04	1.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Hydrazine	4.41E-10	6.13E-10	8.14E-10	1.94E-09	5.44E-09	3.37E-09	5.55E-09	4.65E-08	0.00E+00	5.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Lead Compounds	1.22E-04	1.50E-04	1.54E-04	4.14E-04	4.12E-04	5.00E-04	8.22E-04	9.45E-04	9.55E-05	9.65E-05	0.00E+00	0.00E+00	2.20E-04	0.00E+00	
North Carolina	Craven County	37049	U	Manganese Compounds	1.99E-04	2.54E-04	3.23E-04	1.06E-03	1.43E-03	1.70E-03	2.67E-03	6.44E-03	3.44E-04	1.08E-03	6.15E-06	5.87E-07	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.54E-03	1.54E-03	1.60E-03	1.60E-03	1.77E-06	1.14E-05	2.13E-05	3.97E-06	1.50E-03	0.00E+00	
North Carolina	Craven County	37049	U	Methylene Chloride	1.71E-01	1.72E-01	1.82E-01	1.93E-01	4.65E-01	3.69E-01	4.53E-01	3.11E+00	2.61E-01	5.40E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Carolina	Craven County	37049	U	Nickel Compounds	2.54E-04	2.68E-04	3.12E-04	3.41E-04	3.91E-04	4.14E-04	5.63E-04	6.60E-04	3.28E-04	4.67E-05	1.38E-05	2.15E-06	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Perchloroethylene	1.44E-01	1.45E-01	1.51E-01	1.55E-01	1.59E-01	1.67E-01	1.74E-01	1.86E-01	8.30E-04	1.82E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Carolina	Craven County	37049	U	Polychlorinated Biphenyls	3.98E-04	4.01E-04	4.12E-04	4.26E-04	4.43E-04	4.74E-04	5.02E-04	5.90E-04	0.00E+00	6.33E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Carolina	Craven County	37049	U	Polycyclic Organic Matter	8.20E-03	9.07E-03	1.05E-02	1.52E-02	2.12E-02	3.04E-02	4.85E-02	4.94E-02	1.25E-03	1.25E-02	6.45E-03	1.05E-03	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	7-PAH	4.64E-04	4.83E-04	5.85E-04	6.17E-04	8.34E-04	1.15E-03	1.36E-03	1.44E-03	2.26E-05	7.54E-04	4.08E-05	1.62E-05	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Propylene Dichloride	1.05E-06	1.98E-06	2.92E-06	4.10E-06	6.86E-05	2.56E-05	5.99E-05	7.23E-04	0.00E+00	6.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Quinoline	1.47E-08	2.11E-08	2.46E-08	3.55E-08	4.64E-08	4.39E-08	8.55E-08	1.46E-07	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	1,1,2,2-Tetrachloroethane	4.37E-06	6.46E-06	1.57E-05	2.75E-05	6.12E-04	1.93E-04	5.18E-04	6.60E-03	0.00E+00	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Craven County	37049	U	Trichloroethylene	8.25E-02	8.25E-02	8.30E-02	8.43E-02	8.73E-02	9.18E-02	9.77E-02	1.01E-01	3.23E-04	5.99E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Carolina	Craven County	37049	U	Vinyl Chloride	3.63E-05	4.64E-05	1.34E-04	1.71E-04	1.61E-03	6.36E-04	1.38E-03	1.64E-02	9.81E-05	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Acetaldehyde	2.76E-01	3.42E-01	4.18E-01	4.89E-01	5.68E-01	5.75E-01	1.09E+00	1.28E+00	7.41E-02	1.37E-02	3.95E-01	8.52E-02	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Acrolein	4.07E-02	4.38E-02	5.67E-02	6.33E-02	6.75E-02	7.30E-02	9.18E-02	1.18E-01	1.99E-04	1.19E-02	5.04E-02	5.04E-03	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Acrylonitrile	1.21E-04	1.39E-04	2.06E-04	3.16E-04	7.19E-04	4.55E-04	8.42E-04	4.27E-03	2.36E-05	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Arsenic Compounds	5.55E-05	5.94E-05	7.03E-05	9.16E-05	1.18E-04	1.72E-04	1.86E-04	2.05E-04	3.24E-05	3.09E-05	4.50E-05	9.62E-06	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Benzene	8.25E-01	9.55E-01	1.09E+00	1.22E+00	1.36E+00	1.39E+00	1.82E+00	2.97E+00	2.00E-04	1.29E-01	6.86E-01	6.96E-02	4.80E-01	0.00E+00	
North Carolina	Cumberland County	37051	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 Carolina	Cumberland County	37051	U	Beryllium Compounds	1.23E-05	1.52E-05	2.02E-05	2.81E-05	2.91E-05	3.57E-05	4.38E-05	5.74E-05	1.82E-05	1.03E-05	0.00E+00	0.00E+00	6.97E-07	0.00E+00	
North Carolina	Cumberland County	37051	U	1,3-Butadiene	9.35E-03	2.30E-02	3.06E-02	4.42E-02	6.00E-02	6.28E-02	1.08E-01	2.47E-01	3.26E-05	1.35E-03	5.17E-02	6.52E-03	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Cadmium Compounds	1.16E-05	1.42E-05	1.60E-05	2.10E-05	2.19E-05	2.56E-05	3.13E-05	3.67E-05	8.97E-06	1.23E-05	0.00E+00	6.55E-07	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Carbon Disulfide	4.88E-02	4.91E-02	4.96E-02	5.07E-02	5.35E-02	5.40E-02	5.89E-02	6.51E-02	2.32E-03	4.22E-03	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Carolina	Cumberland County	37051	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.80E-01	8.81E-01	8.82E-01	3.28E-06	6.42E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
North Carolina	Cumberland County	37051	U	Chloroform	8.87E-02	9.10E-02	9.88E-02	1.03E-01	1.04E-01	1.08E-01	1.15E-01	1.20E-01	6.67E-07	2.12E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Carolina	Cumberland County	37051	U	Chromium Compounds (includes Hexavalent)	6.87E-04	6.88E-04	7.53E-04	9.29E-04	1.08E-03	1.47E-03	1.58E-03	1.60E-03	5.28E-04	5.10E-04	3.84E-05	1.12E-06	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Chromium VI	3.22E-04	3.29E-04	3.53E-04	4.27E-04	6.31E-04	1.04E-03	1.12E-03	1.12E-03	3.85E-04	2.30E-04	1.54E-05	3.80E-07	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	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 Carolina	Cumberland County	37051	U	1,4-Dichlorobenzene	8.53E-03	1.14E-02	2.40E-02	2.89E-02	2.94E-02	3.47E-02	4.58E-02	5.20E-02	1.18E-06	2.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	1,3-Dichloropropene	1.65E-02	2.23E-02	4.74E-02	5.76E-02	5.86E-02	6.96E-02	9.25E-02	1.05E-01	0.00E+00	5.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	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	1.30E-08	7.20E-07	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
North Carolina	Cumberland County	37051	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.13E-02	1.05E-05	7.08E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Carolina	Cumberland County	37051	U	Ethylene Oxide	7.53E-04	1.04E-03	1.34E-03	1.73E-03	2.76E-03	3.16E-03	4.28E-03	8.48E-03	6.59E-04	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Formaldehyde	4.78E-01	5.98E-01	6.49E-01	7.57E-01	8.09E-01	8.52E-01	1.11E+00	1.48E+00	9.45E-02	5.01E-02	3.17E-01	9.76E-02	2.50E-01	0.00E+00	
North Carolina	Cumberland County	37051	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.34E-05	9.35E-05	9.35E-05	9.37E-05	9.44E-05	2.79E-07	2.43E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Carolina	Cumberland County	37051	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.69E-07	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Carolina	Cumberland County	37051	U	Hexamethylene Diisocyanate	8.37E-06	1.25E-05	1.63E-05	2.25E-05	3.43E-05	3.89E-05	5.96E-05	9.31E-05	2.12E-05	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Hydrazine	5.63E-09	8.14E-09	1.28E-08	2.50E-08	1.25E-07	1.26E-07	2.81E-07	8.12E-07	0.00E+00	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Lead Compounds	2.57E-04	2.92E-04	3.36E-04	4.54E-04	6.31E-04	5.94E-04	9.10E-04	1.18E-03	2.07E-05	1.57E-04	0.00E+00	4.53E-04	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Manganese Compounds	2.10E-04	2.16E-04	2.28E-04	2.79E-04	3.77E-04	5.92E-04	6.41E-04	6.60E-04	1.42E-04	2.21E-04	1.24E-05	9.88E-07	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Mercury Compounds	1.54E-03	1.55E-03	1.55E-03	1.57E-03	1.58E-03	1.59E-03	1.62E-03	1.70E-03	5.98E-06	2.11E-05	4.39E-05	8.43E-06	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Methylene Chloride	1.89E-01	2.07E-01	2.44E-01	2.80E-01	2.90E-01	3.57E-01	3.81E-01	5.67E-03	1.35E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Nickel Compounds	2.49E-04	2.61E-04	2.83E-04	3.32E-04	3.49E-04	4.22E-04	4.64E-04	4.73E-04	1.42E-04	1.76E-04	2.85E-05	1.70E-06	0.00E+00	0.00E+00	
North Carolina	Cumberland County	37051	U	Perchloroethylene	1.57E-01	1.65E-01	1.76E-01	2.00E-01	2.10E-01	2.32E-01	2.65E-01	3.02E-01	1.43E-04	6.98E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Carolina	Cumberland County	37051	U	Polychlorinated Biphenyls	3.99E-04	4.01E-04	4.02E-04	4.04E-04	4.06E-04	4.07E-04	4.12E-04	4.23E-04	9.06E-08	2.59E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Carolina																			

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Currituck County	37053	U	Benzene	5.95E-01	5.95E-01	6.05E-01	6.42E-01	6.33E-01	6.56E-01	6.57E-01	6.57E-01	2.76E-08	2.20E-02	4.04E-02	9.05E-02	4.80E-01	
North Carolina	Currituck County	37053	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 Carolina	Currituck County	37053	U	Beryllium Compounds	1.38E-07	1.38E-07	1.69E-07	3.80E-07	4.51E-07	6.70E-07	9.73E-07	1.87E-11	4.44E-07	0.00E+00	7.57E-09	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	1,3-Butadiene	5.54E-03	5.54E-03	5.57E-03	8.23E-03	7.52E-03	8.72E-03	8.86E-03	8.86E-03	0.00E+00	7.29E-04	1.95E-03	4.85E-03	0.00E+00	
North Carolina	Currituck County	37053	U	Cadmium Compounds	2.11E-07	2.11E-07	2.48E-07	5.91E-07	8.09E-07	9.36E-07	2.28E-06	2.28E-06	1.52E-07	6.36E-07	0.00E+00	2.10E-08	0.00E+00	
North Carolina	Currituck County	37053	U	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.74E-02	4.74E-02	0.00E+00	1.74E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Currituck County	37053	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	3.34E-05	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Currituck County	37053	U	Chloroform	8.38E-02	8.38E-02	8.39E-02	8.46E-02	8.48E-02	8.53E-02	8.67E-02	8.67E-02	0.00E+00	1.83E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Currituck County	37053	U	Chromium Compounds (includes Hexavalent)	2.95E-06	2.95E-06	3.56E-06	7.00E-05	1.19E-04	1.65E-04	4.04E-04	4.04E-04	1.14E-04	2.22E-06	2.65E-06	8.08E-07	0.00E+00	
North Carolina	Currituck County	37053	U	Chromium VI	1.51E-06	1.51E-06	2.05E-06	1.20E-05	2.11E-05	2.55E-05	7.38E-05	7.38E-05	1.80E-05	1.80E-06	1.05E-06	2.75E-07	0.00E+00	
North Carolina	Currituck County	37053	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 Carolina	Currituck County	37053	U	1,4-Dichlorobenzene	1.04E-03	1.04E-03	1.19E-03	2.24E-03	2.66E-03	3.82E-03	5.42E-03	5.42E-03	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	1,3-Dichloropropene	1.96E-03	1.96E-03	2.24E-03	4.23E-03	5.03E-03	7.33E-03	1.02E-02	1.02E-02	0.00E+00	5.03E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	Ethylene Dichloride	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	8.90E-08	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Currituck County	37053	U	Ethylene Dibromide	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	2.02E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Currituck County	37053	U	Ethylene Oxide	6.79E-06	6.79E-06	8.00E-06	1.60E-05	2.76E-05	2.75E-05	9.15E-05	9.15E-05	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	Formaldehyde	2.91E-01	2.91E-01	2.94E-01	3.09E-01	3.22E-01	3.44E-01	3.85E-01	3.85E-01	6.35E-06	1.48E-02	2.78E-02	2.93E-02	2.50E-01	
North Carolina	Currituck County	37053	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.35E-05	9.35E-05	0.00E+00	2.44E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Currituck County	37053	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	1.71E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Currituck County	37053	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 Carolina	Currituck County	37053	U	Hydrazine	7.89E-11	7.89E-11	1.30E-10	3.99E-10	6.37E-10	6.70E-10	2.14E-09	2.14E-09	0.00E+00	6.37E-10	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	Lead Compounds	7.00E-05	7.00E-05	7.77E-05	1.97E-04	2.27E-04	2.79E-04	5.43E-04	5.43E-04	4.17E-05	1.48E-05	0.00E+00	1.71E-04	0.00E+00	
North Carolina	Currituck County	37053	U	Manganese Compounds	4.90E-06	4.90E-06	5.24E-06	5.35E-05	9.60E-05	1.64E-04	2.95E-04	2.95E-04	8.15E-05	1.32E-05	8.15E-07	4.97E-07	0.00E+00	
North Carolina	Currituck County	37053	U	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.54E-03	1.54E-03	2.08E-06	4.77E-06	4.16E-06	1.67E-06	1.50E-03	
North Carolina	Currituck County	37053	U	Methylene Chloride	1.55E-01	1.55E-01	1.56E-01	1.58E-01	1.60E-01	1.63E-01	1.70E-01	1.70E-01	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Currituck County	37053	U	Nickel Compounds	3.38E-06	3.38E-06	4.01E-06	3.56E-05	6.68E-05	1.10E-04	2.12E-04	2.12E-04	5.65E-05	4.32E-06	1.97E-06	4.04E-06	0.00E+00	
North Carolina	Currituck County	37053	U	Perchloroethylene	1.43E-01	1.43E-01	1.43E-01	1.48E-01	1.48E-01	1.52E-01	1.53E-01	1.53E-01	4.03E-03	3.76E-03	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Currituck County	37053	U	Polychlorinated Biphenyls	3.88E-04	3.88E-04	3.89E-04	4.02E-04	4.00E-04	4.09E-04	4.09E-04	4.09E-04	0.00E+00	1.98E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Currituck County	37053	U	Polycyclic Organic Matter	3.21E-03	3.21E-03	3.29E-03	4.16E-03	5.28E-03	7.26E-03	9.63E-03	9.63E-03	6.28E-09	3.81E-03	9.26E-04	5.45E-04	0.00E+00	
North Carolina	Currituck County	37053	U	7-PAH	1.86E-04	1.86E-04	1.93E-04	2.57E-04	2.85E-04	3.88E-04	4.29E-04	4.29E-04	9.24E-09	2.56E-04	6.36E-06	2.29E-05	0.00E+00	
North Carolina	Currituck County	37053	U	Propylene Dichloride	3.94E-06	3.94E-06	4.58E-06	7.24E-06	9.43E-06	1.02E-05	2.34E-05	2.34E-05	0.00E+00	9.43E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	Quinoline	2.69E-09	2.69E-09	3.97E-09	1.00E-08	1.38E-08	1.68E-08	3.95E-08	3.95E-08	0.00E+00	1.38E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	1,1,2,2-Tetrachloroethane	2.79E-05	2.79E-05	2.85E-05	5.51E-05	7.70E-05	8.57E-05	2.10E-04	2.10E-04	0.00E+00	7.70E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Currituck County	37053	U	Trichloroethylene	8.13E-02	8.13E-02	8.15E-02	8.19E-02	8.20E-02	8.21E-02	8.32E-02	8.32E-02	0.00E+00	9.75E-04	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Currituck County	37053	U	Vinyl Chloride	6.97E-05	6.97E-05	7.09E-05	1.31E-04	1.88E-04	2.11E-04	5.17E-04	5.17E-04	0.00E+00	1.88E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Dare County	37055	R	Acetaldehyde	3.02E-02	3.02E-02	3.03E-02	5.37E-02	5.21E-02	7.01E-02	7.22E-02	7.22E-02	0.00E+00	3.67E-03	1.32E-02	3.53E-02	0.00E+00	
North Carolina	Dare County	37055	R	Acrolein	3.91E-03	3.91E-03	5.12E-03	6.00E-03	6.39E-03	7.83E-03	8.30E-03	8.30E-03	0.00E+00	7.62E-04	1.88E-03	3.75E-03	0.00E+00	
North Carolina	Dare County	37055	R	Acrylonitrile	4.95E-06	4.95E-06	8.40E-06	9.93E-06	1.06E-05	1.40E-05	1.70E-05	1.70E-05	0.00E+00	1.06E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Dare County	37055	R	Arsenic Compounds	1.04E-06	1.04E-06	2.15E-06	5.63E-06	6.22E-06	7.14E-06	1.57E-05	1.57E-05	0.00E+00	5.09E-07	4.00E-06	1.71E-06	0.00E+00	
North Carolina	Dare County	37055	R	Benzene	5.66E-01	5.66E-01	5.93E-01	6.20E-01	6.59E-01	6.72E-01	9.02E-01	9.02E-01	0.00E+00	5.69E-02	3.68E-02	8.55E-02	4.80E-01	
North Carolina	Dare County	37055	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 Carolina	Dare County	37055	R	Beryllium Compounds	1.55E-08	1.55E-08	1.06E-07	2.56E-07	2.56E-07	3.03E-07	6.91E-07	6.91E-07	0.00E+00	2.56E-07	0.00E+00	8.80E-11	0.00E+00	
North Carolina	Dare County	37055	R	1,3-Butadiene	4.44E-03	4.44E-03	4.92E-03	7.60E-03	8.85E-03	1.12E-02	1.65E-02	1.65E-02	0.00E+00	2.53E-04	3.75E-03	4.85E-03	0.00E+00	
North Carolina	Dare County	37055	R	Cadmium Compounds	2.60E-08	2.60E-08	1.47E-07	3.95E-07	7.19E-07	6.48E-07	3.00E-06	3.00E-06	0.00E+00	7.18E-07	0.00E+00	1.23E-09	0.00E+00	
North Carolina	Dare County	37055	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	1.65E-05	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Dare County	37055	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 Carolina	Dare County	37055	R	Chloroform	8.30E-02	8.30E-02	8.31E-02	8.46E-02	8.48E-02	8.87E-02	8.87E-02	8.87E-02	0.00E+00	1.80E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Dare County	37055	R	Chromium Compounds (includes Hexavalent)	7.58E-07	7.58E-07	1.32E-06	3.13E-06	3.44E-06	4.08E-06	8.08E-06	8.08E-06	0.00E+00	3.89E-07	2.36E-06	6.93E-07	0.00E+00	
North Carolina	Dare County	37055	R	Chromium VI	2.64E-07	2.64E-07	4.96E-07	1.19E-06	1.30E-06	1.54E-06	3.10E-06	3.10E-06	0.00E+00	1.40E-07	9.29E-07	2.35E-07	0.00E+00	
North Carolina	Dare County	37055	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 Carolina	Dare County	37055	R	1,4-Dichlorobenzene	8.13E-05	8.13E-05	2.16E-04	3.10E-03	3.59E-03	3.50E-03	1.20E-02	1.20E-02	0.00E+00	3.59E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Dare County	37055	R	1,3-Dichloropropene	1.54E-04	1.54E-04	4.19E-04	6.33E-03	7.31E-03	7.10E-03	2.46E-02	2.46E-02	0.00E+00	7.31E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Dare County	37055	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	5.56E-09	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Dare County	37055	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	2.36E-06	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Dare County	37055	R	Ethylene Oxide	1.66E-07	1.66E-07	3.07E-07	6.43E-07	1.02E-06	1.62E-06	2.70E-06	2.70E-06	0.00E+00	1.02E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Dare County	37055	R	Formaldehyde	2.70E-01	2.70E-01	2.86E-01	3.01E-01	2.99E-01	3.12E-01	3.34E-01	3.34E-01	0.00E+00	5.61E-03	1.70E-02	2.63E-02	2.50E-01	
North Carolina	D																	

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

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 Carolina	Dare County	37055	R	Nickel Compounds	7.24E-07	7.24E-07	2.42E-06	3.79E-06	4.10E-06	4.41E-06	9.50E-06	9.50E-06	0.00E+00	1.43E-06	1.82E-06	8.41E-07	0.00E+00
North Carolina	Dare County	37055	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.45E-01	1.44E-01	1.46E-01	1.48E-01	1.48E-01	0.00E+00	3.65E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Dare County	37055	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.83E-04	4.05E-04	4.03E-04	4.08E-04	4.34E-04	4.34E-04	0.00E+00	2.28E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Dare County	37055	R	Polycyclic Organic Matter	5.27E-04	5.27E-04	1.29E-03	7.45E-03	1.31E-02	1.04E-02	5.79E-02	5.79E-02	0.00E+00	1.17E-02	8.25E-04	5.32E-04	0.00E+00
North Carolina	Dare County	37055	R	7-PAH	3.82E-05	3.82E-05	1.20E-04	3.73E-04	7.14E-04	5.61E-04	3.18E-03	3.18E-03	0.00E+00	6.84E-04	6.25E-06	2.30E-05	0.00E+00
North Carolina	Dare County	37055	R	Propylene Dichloride	2.85E-07	2.85E-07	4.68E-07	5.67E-07	6.08E-07	8.14E-07	1.02E-06	1.02E-06	0.00E+00	6.08E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Dare County	37055	R	Quinoline	1.42E-11	1.42E-11	1.47E-10	1.84E-10	3.83E-10	3.87E-10	1.60E-09	1.60E-09	0.00E+00	3.83E-10	0.00E+00	0.00E+00	0.00E+00
North Carolina	Dare County	37055	R	1,1,2,2-Tetrachloroethane	2.45E-06	2.45E-06	3.73E-06	4.77E-06	5.20E-06	7.13E-06	9.28E-06	9.28E-06	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Dare County	37055	R	Trichloroethylene	8.10E-02	8.10E-02	8.11E-02	8.11E-02	8.12E-02	8.14E-02	8.14E-02	8.14E-02	0.00E+00	1.81E-04	0.00E+00	0.00E+00	8.10E-02
North Carolina	Dare County	37055	R	Vinyl Chloride	6.05E-06	6.05E-06	9.20E-06	1.18E-05	1.28E-05	1.76E-05	2.29E-05	2.29E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Acetaldehyde	2.53E-01	2.92E-01	3.13E-01	3.44E-01	4.05E-01	5.13E-01	6.02E-01	6.08E-01	1.68E-02	1.81E-02	3.34E-01	3.66E-02	0.00E+00
North Carolina	Davidson County	37057	U	Acrolein	4.79E-02	5.34E-02	5.48E-02	6.82E-02	6.68E-02	8.11E-02	8.65E-02	8.65E-02	1.28E-03	1.05E-02	4.82E-02	6.87E-03	0.00E+00
North Carolina	Davidson County	37057	U	Acrylonitrile	4.25E-04	4.29E-04	4.54E-04	4.89E-04	4.96E-04	5.27E-04	6.31E-04	6.34E-04	1.19E-04	3.76E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Arsenic Compounds	1.41E-04	1.48E-04	1.51E-04	1.82E-04	1.78E-04	1.92E-04	2.16E-04	2.36E-04	6.72E-05	5.66E-05	4.53E-05	8.50E-06	0.00E+00
North Carolina	Davidson County	37057	U	Benzene	9.66E-01	9.83E-01	1.04E+00	1.11E+00	1.22E+00	1.38E+00	1.52E+00	1.69E+00	2.17E-03	1.61E-01	5.09E-01	7.04E-02	4.80E-01
North Carolina	Davidson County	37057	U	Benzidine	0.00E+00	1.35E-07	1.55E-07	2.74E-07	3.20E-07	4.59E-07	5.09E-07	5.60E-07	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Beryllium Compounds	2.70E-05	3.18E-05	5.70E-05	7.16E-05	1.42E-04	1.75E-04	2.93E-04	4.72E-04	1.49E-05	1.26E-04	0.00E+00	9.07E-07	0.00E+00
North Carolina	Davidson County	37057	U	1,3-Butadiene	1.19E-02	1.35E-02	1.68E-02	2.26E-02	3.32E-02	4.43E-02	5.56E-02	7.40E-02	3.74E-05	1.13E-03	2.66E-02	5.46E-03	0.00E+00
North Carolina	Davidson County	37057	U	Cadmium Compounds	2.25E-04	4.76E-04	7.04E-04	8.82E-04	1.54E-03	1.99E-03	3.66E-03	4.50E-03	1.50E-03	3.79E-05	0.00E+00	9.04E-07	0.00E+00
North Carolina	Davidson County	37057	U	Carbon Disulfide	4.81E-02	4.81E-02	4.84E-02	4.90E-02	4.88E-02	4.92E-02	4.94E-02	4.97E-02	7.16E-04	1.13E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Davidson County	37057	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	2.97E-06	2.18E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Davidson County	37057	U	Chloroform	9.31E-02	9.41E-02	9.51E-02	9.72E-02	9.71E-02	9.97E-02	1.01E-01	1.01E-01	2.05E-05	1.41E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Davidson County	37057	U	Chromium Compounds (includes Hexavalent)	9.57E-04	1.05E-03	1.35E-03	1.82E-03	2.99E-03	6.49E-03	6.49E-03	1.17E-02	2.28E-03	6.80E-04	3.48E-05	1.14E-06	0.00E+00
North Carolina	Davidson County	37057	U	Chromium VI	4.73E-04	5.26E-04	7.18E-04	1.06E-03	2.13E-03	1.68E-03	4.35E-03	1.02E-02	1.70E-03	4.12E-04	1.39E-05	3.87E-07	0.00E+00
North Carolina	Davidson County	37057	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 Carolina	Davidson County	37057	U	1,4-Dichlorobenzene	1.42E-02	1.44E-02	1.69E-02	2.22E-02	2.33E-02	3.43E-02	3.48E-02	3.48E-02	1.30E-05	2.33E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	1,3-Dichloropropene	2.73E-02	2.79E-02	3.23E-02	4.38E-02	4.58E-02	6.46E-02	6.86E-02	6.90E-02	0.00E+00	4.58E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.57E-08	6.25E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Davidson County	37057	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.15E-02	6.17E-02	6.17E-02	6.20E-02	6.21E-02	6.21E-02	2.24E-05	6.85E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Davidson County	37057	U	Ethylene Oxide	6.25E-04	6.39E-04	7.06E-04	7.96E-04	8.98E-04	1.04E-03	1.22E-03	1.47E-03	1.34E-04	7.63E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Formaldehyde	5.23E-01	5.27E-01	5.47E-01	6.22E-01	6.52E-01	7.47E-01	8.57E-01	8.96E-01	1.43E-02	4.12E-02	2.75E-01	7.14E-02	2.50E-01
North Carolina	Davidson County	37057	U	Hexachlorobenzene	9.36E-05	9.38E-05	9.40E-05	9.42E-05	9.42E-05	9.48E-05	9.48E-05	9.48E-05	1.54E-10	1.25E-06	0.00E+00	0.00E+00	9.30E-05
North Carolina	Davidson County	37057	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	1.76E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Davidson County	37057	U	Hexamethylene Diisocyanate	8.32E-06	1.13E-05	1.72E-05	2.66E-05	4.65E-05	7.30E-05	9.04E-05	9.63E-05	3.70E-05	9.50E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Hydrazine	1.64E-09	3.11E-09	5.38E-09	8.11E-09	2.29E-08	2.76E-08	6.55E-08	7.43E-08	0.00E+00	2.29E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Lead Compounds	6.01E-04	6.48E-04	8.96E-04	1.04E-03	1.10E-03	1.37E-03	1.60E-03	1.86E-03	2.64E-04	4.77E-04	0.00E+00	3.55E-04	0.00E+00
North Carolina	Davidson County	37057	U	Manganese Compounds	2.33E-03	3.55E-03	4.19E-03	6.87E-03	1.03E-02	1.24E-02	1.77E-02	1.87E-02	6.33E-03	3.99E-03	1.09E-05	9.17E-07	0.00E+00
North Carolina	Davidson County	37057	U	Mercury Compounds	1.55E-03	1.55E-03	1.56E-03	1.60E-03	1.60E-03	1.62E-03	1.63E-03	1.63E-03	1.63E-03	1.67E-05	1.67E-05	7.83E-06	1.50E-03
North Carolina	Davidson County	37057	U	Methylene Chloride	2.35E-01	2.39E-01	2.82E-01	3.70E-01	4.22E-01	5.43E-01	6.21E-01	6.57E-01	8.22E-02	1.89E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Davidson County	37057	U	Nickel Compounds	2.18E-04	2.19E-04	2.29E-04	2.69E-04	3.40E-04	4.06E-04	4.52E-04	4.56E-04	1.06E-04	2.07E-04	2.59E-05	1.58E-06	0.00E+00
North Carolina	Davidson County	37057	U	Perchloroethylene	1.58E-01	1.61E-01	1.63E-01	1.67E-01	1.69E-01	1.77E-01	1.80E-01	1.81E-01	2.17E-04	2.87E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Davidson County	37057	U	Polychlorinated Biphenyls	4.52E-04	4.69E-04	4.92E-04	5.20E-04	5.27E-04	5.75E-04	5.91E-04	6.00E-04	1.31E-11	1.47E-04	0.00E+00	0.00E+00	3.80E-04
North Carolina	Davidson County	37057	U	Polycyclic Organic Matter	3.88E-02	3.97E-02	4.61E-02	5.62E-02	6.01E-02	7.27E-02	8.80E-02	9.28E-02	7.26E-03	3.94E-02	1.21E-02	1.36E-03	0.00E+00
North Carolina	Davidson County	37057	U	7-PAH	1.42E-03	1.44E-03	1.58E-03	1.68E-03	1.82E-03	2.04E-03	2.31E-03	2.43E-03	7.04E-06	1.72E-03	8.21E-05	1.35E-05	0.00E+00
North Carolina	Davidson County	37057	U	Propylene Dichloride	2.25E-05	2.85E-05	3.60E-05	4.15E-05	3.96E-05	4.43E-05	4.87E-05	5.24E-05	1.01E-05	2.96E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Quinoline	1.61E-07	2.39E-07	4.73E-07	7.54E-07	1.32E-06	1.58E-06	2.66E-06	4.10E-06	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	1,1,2,2-Tetrachloroethane	1.08E-04	1.49E-04	1.62E-04	1.86E-04	1.92E-04	2.26E-04	2.50E-04	2.53E-04	6.61E-05	1.26E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davidson County	37057	U	Trichloroethylene	9.18E-02	9.19E-02	9.66E-02	1.01E-01	1.02E-01	1.06E-01	1.15E-01	1.16E-01	2.49E-04	2.07E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Davidson County	37057	U	Vinyl Chloride	2.39E-04	3.60E-04	4.32E-04	4.86E-04	4.99E-04	5.97E-04	6.53E-04	6.85E-04	1.61E-04	3.37E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Acetaldehyde	2.21E-01	2.21E-01	2.30E-01	2.52E-01	2.55E-01	2.75E-01	2.83E-01	2.83E-01	3.52E-02	6.36E-03	1.99E-01	1.36E-02	0.00E+00
North Carolina	Davie County	37059	U	Acrolein	3.93E-02	3.93E-02	4.10E-02	4.37E-02	4.41E-02	4.69E-02	4.80E-02	4.80E-02	3.84E-03	6.89E-03	3.01E-02	3.26E-03	0.00E+00
North Carolina	Davie County	37059	U	Acrylonitrile	4.57E-04	4.57E-04	6.37E-04	7.29E-04	9.97E-04	1.44E-03	2.29E-03	2.29E-03	1.28E-04	8.69E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Arsenic Compounds	8.53E-05	8.53E-05	9.49E-05	1.08E-04	1.11E-04	1.25E-04	1.48E-04	1.48E-04	4.48E-05	3.54E-05	2.75E-05	3.76E-06	0.00E+00
North Carolina	Davie County	37059	U	Benzene	8.15E-01	8.15E-01	8.68E-01	8.76E-01	8.89E-01	8.99E-01	9.96E-01	9.96E-01	9.50E-04	9.84E-02	2.75E-01	3.44E-02	4.80E-01
North Carolina	Davie County	37059	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 Carolina	Davie County	37059	U	Beryllium Compounds	1.06E-05	1.06E-05	1.40E-05	1.84E-05	1.77E-05	1.98E-05	2.42E-05	2.42E-05	1.16E-05	6.01E-06	0.00E+00	1.62E-07	0.00E+00
North Carolina	Davie County	37059	U	1,3-Butadiene													

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Davie County	37059	U	1,4-Dichlorobenzene	7.49E-03	7.49E-03	9.39E-03	1.19E-02	1.15E-02	1.43E-02	1.45E-02	1.45E-02	1.22E-05	1.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	1,3-Dichloropropene	1.42E-02	1.42E-02	1.81E-02	2.26E-02	2.22E-02	2.79E-02	2.81E-02	2.81E-02	0.00E+00	2.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03
North Carolina	Davie County	37059	U	Ethylene Dichloride	6.32E-02	6.32E-02	6.32E-02	6.36E-02	6.46E-02	6.58E-02	6.79E-02	6.79E-02	2.18E-05	3.54E-03	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Davie County	37059	U	Ethylene Oxide	1.56E-04	1.56E-04	2.65E-04	3.46E-04	3.76E-04	4.85E-04	6.11E-04	6.11E-04	4.45E-05	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Formaldehyde	4.73E-01	4.73E-01	4.73E-01	4.85E-01	4.89E-01	4.93E-01	5.23E-01	5.23E-01	1.77E-02	3.28E-02	1.61E-01	2.72E-02	2.50E-01	2.50E-01
North Carolina	Davie County	37059	U	Hexachlorobenzene	9.34E-05	9.34E-05	9.35E-05	9.37E-05	9.37E-05	9.40E-05	9.40E-05	9.40E-05	8.34E-12	7.45E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Davie County	37059	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	2.24E-07	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Davie County	37059	U	Hexamethylene Diisocyanate	1.60E-04	1.60E-04	1.75E-04	2.72E-04	3.07E-04	3.60E-04	6.92E-04	6.92E-04	3.07E-04	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Hydrazine	7.88E-10	7.88E-10	8.85E-10	9.66E-10	1.13E-09	1.64E-09	1.69E-09	1.69E-09	0.00E+00	1.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Lead Compounds	1.89E-04	1.89E-04	2.26E-04	2.76E-04	3.11E-04	4.33E-04	4.39E-04	4.39E-04	5.19E-05	1.26E-04	0.00E+00	1.33E-04	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Manganese Compounds	9.24E-04	9.24E-04	1.18E-03	1.56E-03	1.83E-03	2.64E-03	3.22E-03	3.22E-03	1.33E-03	4.97E-04	5.85E-06	3.78E-07	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Mercury Compounds	1.54E-03	1.54E-03	1.54E-03	1.55E-03	1.55E-03	1.56E-03	1.57E-03	1.57E-03	1.23E-05	7.21E-06	3.04E-05	3.29E-06	1.50E-03	1.50E-03
North Carolina	Davie County	37059	U	Methylene Chloride	2.00E-01	2.00E-01	2.06E-01	2.14E-01	2.16E-01	2.25E-01	2.39E-01	2.39E-01	4.56E-03	6.10E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Davie County	37059	U	Nickel Compounds	1.33E-04	1.33E-04	1.38E-04	1.54E-04	1.52E-04	1.59E-04	1.84E-04	1.84E-04	5.87E-05	7.87E-05	1.41E-05	6.05E-07	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Perchloroethylene	1.50E-01	1.50E-01	1.54E-01	1.61E-01	1.65E-01	1.78E-01	1.86E-01	1.86E-01	2.59E-04	2.44E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	Davie County	37059	U	Polychlorinated Biphenyls	4.27E-04	4.27E-04	4.43E-04	4.62E-04	4.67E-04	4.98E-04	5.03E-04	5.03E-04	7.05E-13	8.67E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	Davie County	37059	U	Polycyclic Organic Matter	2.68E-02	2.68E-02	2.80E-02	3.30E-02	3.17E-02	3.47E-02	3.71E-02	3.71E-02	3.05E-03	2.16E-02	6.55E-03	5.00E-04	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	7-PAH	1.03E-03	1.03E-03	1.05E-03	1.19E-03	1.21E-03	1.37E-03	1.39E-03	1.39E-03	2.12E-06	1.16E-03	4.71E-05	4.79E-06	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Propylene Dichloride	1.95E-05	1.95E-05	1.95E-05	2.48E-05	3.62E-05	3.61E-05	1.04E-04	1.04E-04	1.22E-05	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Quinoline	3.03E-08	3.03E-08	3.64E-08	5.14E-08	5.87E-08	8.55E-08	1.10E-07	1.10E-07	0.00E+00	5.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	1,1,2,2-Tetrachloroethane	5.59E-05	5.59E-05	1.06E-04	1.84E-04	2.67E-04	2.73E-04	8.88E-04	8.88E-04	7.01E-05	1.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Davie County	37059	U	Trichloroethylene	8.47E-02	8.47E-02	8.83E-02	8.87E-02	8.91E-02	9.09E-02	9.30E-02	9.30E-02	5.95E-04	7.52E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Davie County	37059	U	Vinyl Chloride	1.43E-04	1.43E-04	2.62E-04	4.66E-04	6.61E-04	6.74E-04	2.19E-03	2.19E-03	1.73E-04	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Acetaldehyde	5.67E-02	5.67E-02	5.95E-02	1.66E-01	1.93E-01	3.04E-01	4.25E-01	4.25E-01	1.15E-01	9.17E-03	6.03E-02	8.41E-03	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Acrolein	1.29E-02	1.29E-02	1.39E-02	3.98E-02	5.21E-02	8.75E-02	1.21E-01	1.21E-01	3.61E-02	5.10E-03	9.79E-03	9.22E-04	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Acrylonitrile	1.76E-05	1.76E-05	3.27E-05	5.26E-05	6.10E-05	7.67E-05	1.46E-04	1.46E-04	0.00E+00	6.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Arsenic Compounds	1.41E-05	1.41E-05	2.10E-05	5.46E-04	8.71E-04	1.73E-03	2.37E-03	2.37E-03	8.31E-04	2.73E-05	1.04E-05	2.55E-06	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Benzene	5.82E-01	5.82E-01	6.00E-01	6.72E-01	6.73E-01	7.32E-01	7.97E-01	7.97E-01	4.65E-02	3.74E-02	1.01E-01	8.76E-03	4.80E-01	4.80E-01
North Carolina	Duplin County	37061	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 Carolina	Duplin County	37061	R	Beryllium Compounds	8.68E-07	8.68E-07	1.46E-06	6.57E-06	9.92E-06	1.90E-05	2.44E-05	2.44E-05	8.32E-06	1.58E-06	0.00E+00	1.92E-08	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	1,3-Butadiene	3.64E-03	3.64E-03	4.95E-03	7.71E-03	8.39E-03	1.01E-02	1.79E-02	1.79E-02	1.18E-03	1.23E-03	5.40E-03	5.69E-04	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Cadmium Compounds	3.73E-06	3.73E-06	3.96E-06	8.06E-05	1.26E-04	2.52E-04	3.31E-04	3.31E-04	1.16E-04	9.49E-06	0.00E+00	1.92E-08	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.74E-02	4.75E-02	4.78E-02	4.80E-02	4.80E-02	1.96E-07	4.82E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Duplin County	37061	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	3.41E-06	4.34E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	Duplin County	37061	R	Chloroform	8.41E-02	8.41E-02	8.43E-02	8.44E-02	8.46E-02	8.49E-02	8.56E-02	8.56E-02	5.55E-06	1.61E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Duplin County	37061	R	Chromium Compounds (includes Hexavalent)	1.58E-05	1.58E-05	2.97E-04	9.62E-04	1.13E-03	1.93E-03	2.66E-03	2.66E-03	9.41E-04	1.83E-04	6.64E-06	1.08E-07	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Chromium VI	8.38E-06	8.38E-06	1.04E-04	3.26E-04	3.90E-04	6.71E-04	9.05E-04	9.05E-04	3.18E-04	6.86E-05	2.67E-06	3.69E-08	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	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 Carolina	Duplin County	37061	R	1,4-Dichlorobenzene	2.16E-03	2.16E-03	2.60E-03	3.15E-03	3.14E-03	3.68E-03	4.12E-03	4.12E-03	4.06E-08	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	1,3-Dichloropropene	4.23E-03	4.23E-03	4.99E-03	6.08E-03	6.09E-03	7.24E-03	7.89E-03	7.89E-03	0.00E+00	6.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	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	5.75E-09	6.80E-08	0.00E+00	0.00E+00	7.70E-03
North Carolina	Duplin County	37061	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	1.54E-05	1.32E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Duplin County	37061	R	Ethylene Oxide	2.82E-05	2.82E-05	4.39E-05	6.47E-04	7.45E-04	1.25E-03	2.05E-03	2.05E-03	6.77E-04	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Formaldehyde	3.31E-01	3.31E-01	3.32E-01	4.78E-01	5.53E-01	7.65E-01	9.44E-01	9.44E-01	2.05E-01	2.99E-02	5.28E-02	1.54E-02	2.50E-01	2.50E-01
North Carolina	Duplin County	37061	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.33E-05	9.34E-05	9.36E-05	9.36E-05	6.29E-08	2.82E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Duplin County	37061	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.23E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Duplin County	37061	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 Carolina	Duplin County	37061	R	Hydrazine	1.93E-10	1.93E-10	9.59E-10	1.84E-09	1.98E-09	2.43E-09	5.16E-09	5.16E-09	0.00E+00	1.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Lead Compounds	9.85E-05	9.85E-05	1.34E-04	1.60E-03	2.15E-03	4.05E-03	5.55E-03	5.55E-03	1.93E-03	4.37E-05	0.00E+00	1.83E-04	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Manganese Compounds	5.00E-05	5.00E-05	1.70E-04	2.66E-04	3.52E-04	4.97E-04	8.98E-04	8.98E-04	2.02E-04	1.47E-04	2.09E-06	2.11E-07	0.00E+00	0.00E+00
North Carolina	Duplin County	37061	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.54E-03	1.56E-03	1.58E-03	1.58E-03	1.97E-05	5.00E-06	1.19E-05	2.18E-06	1.50E-03	1.50E-03
North Carolina	Duplin County	37061	R	Methylene Chloride	1.59E-01	1.59E-01	1.63E-01	1.67E-01	1.71E-01	1.77E-01	1.91E-01	1.91E-01	7.02E-03	1.36E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Durham County	37063	U	Acrolein	5.65E-02	6.15E-02	7.99E-02	8.67E-02	8.62E-02	9.35E-02	1.02E-01	1.20E-01	2.67E-04	1.24E-02	6.28E-02	1.07E-02	0.00E+00	
North Carolina	Durham County	37063	U	Acrylonitrile	1.39E-04	1.62E-04	2.13E-04	2.78E-04	3.04E-04	3.35E-04	4.15E-04	5.79E-04	1.67E-05	2.87E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Arsenic Compounds	1.31E-04	1.92E-04	2.19E-04	2.77E-04	3.40E-04	3.80E-04	5.40E-04	8.60E-04	2.15E-04	3.74E-05	6.22E-05	2.59E-05	0.00E+00	
North Carolina	Durham County	37063	U	Benzene	1.03E+00	1.09E+00	1.31E+00	1.48E+00	1.58E+00	1.68E+00	2.10E+00	2.55E+00	1.66E-04	1.05E-01	8.35E-01	1.56E-01	4.80E-01	
North Carolina	Durham County	37063	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 Carolina	Durham County	37063	U	Beryllium Compounds	1.92E-05	2.34E-05	2.65E-05	3.19E-05	4.24E-05	4.71E-05	7.11E-05	9.59E-05	3.53E-05	6.87E-06	0.00E+00	2.98E-07	0.00E+00	
North Carolina	Durham County	37063	U	1,3-Butadiene	2.07E-02	2.70E-02	4.45E-02	6.20E-02	7.49E-02	8.41E-02	1.51E-01	1.92E-01	0.00E+00	9.36E-04	5.83E-02	1.57E-02	0.00E+00	
North Carolina	Durham County	37063	U	Cadmium Compounds	1.44E-05	1.63E-05	2.59E-05	3.38E-05	5.81E-05	5.05E-05	9.64E-05	3.01E-04	3.90E-05	1.88E-05	0.00E+00	2.97E-07	0.00E+00	
North Carolina	Durham County	37063	U	Carbon Disulfide	4.77E-02	4.80E-02	4.82E-02	4.89E-02	4.95E-02	4.96E-02	5.06E-02	5.25E-02	8.59E-06	2.49E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Durham County	37063	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	3.19E-08	5.23E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Durham County	37063	U	Chloroform	1.08E-01	1.11E-01	1.23E-01	1.33E-01	1.34E-01	1.45E-01	1.53E-01	1.64E-01	1.72E-06	5.12E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Durham County	37063	U	Chromium Compounds (includes Hexavalent)	3.09E-04	4.41E-04	7.00E-04	1.04E-03	1.68E-03	2.19E-03	4.03E-03	4.15E-03	1.56E-03	6.19E-05	5.52E-05	2.16E-06	0.00E+00	
North Carolina	Durham County	37063	U	Chromium VI	1.87E-04	2.78E-04	5.01E-04	7.55E-04	1.31E-03	1.65E-03	3.59E-03	3.99E-03	1.27E-03	2.39E-05	2.21E-05	7.33E-07	0.00E+00	
North Carolina	Durham County	37063	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 Carolina	Durham County	37063	U	1,4-Dichlorobenzene	1.80E-02	2.01E-02	2.91E-02	3.58E-02	3.62E-02	4.35E-02	5.09E-02	6.26E-02	1.99E-06	3.62E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	1,3-Dichloropropene	3.50E-02	3.97E-02	5.79E-02	7.13E-02	7.23E-02	8.72E-02	1.02E-01	1.27E-01	0.00E+00	7.23E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Ethylene Dichloride	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.73E-03	2.21E-06	2.21E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Durham County	37063	U	Ethylene Dibromide	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	3.83E-06	2.20E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Durham County	37063	U	Ethylene Oxide	9.25E-04	1.09E-03	1.71E-03	2.73E-03	6.10E-03	5.49E-03	7.60E-03	1.85E-02	3.63E-03	2.47E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Formaldehyde	5.76E-01	6.59E-01	7.86E-01	9.06E-01	9.46E-01	1.09E+00	1.29E+00	1.39E+00	7.55E-02	5.11E-02	3.79E-01	1.91E-01	2.50E-01	
North Carolina	Durham County	37063	U	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.33E-05	0.00E+00	2.17E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Durham County	37063	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-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Durham County	37063	U	Hexamethylene Diisocyanate	2.72E-07	6.03E-06	1.03E-05	1.15E-05	1.14E-05	1.40E-05	1.58E-05	1.81E-05	0.00E+00	1.14E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Hydrazine	1.54E-09	2.26E-09	3.84E-09	9.00E-09	4.48E-08	2.67E-08	4.67E-08	8.08E-08	0.00E+00	4.48E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Lead Compounds	4.39E-04	5.16E-04	5.58E-04	7.06E-04	8.16E-04	9.38E-04	1.34E-03	1.60E-03	2.63E-04	4.35E-04	0.00E+00	1.18E-04	0.00E+00	
North Carolina	Durham County	37063	U	Manganese Compounds	2.73E-04	3.36E-04	5.84E-04	8.43E-04	1.26E-03	1.48E-03	2.55E-03	3.48E-03	1.14E-03	1.05E-04	1.78E-05	2.41E-06	0.00E+00	
North Carolina	Durham County	37063	U	Mercury Compounds	1.57E-03	1.59E-03	1.60E-03	1.62E-03	1.63E-03	1.64E-03	1.68E-03	1.70E-03	2.51E-05	2.17E-05	5.91E-05	2.10E-05	1.50E-03	
North Carolina	Durham County	37063	U	Methylene Chloride	2.00E-01	2.19E-01	2.48E-01	2.95E-01	3.79E-01	3.84E-01	5.03E-01	9.62E-01	4.26E-04	2.28E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Durham County	37063	U	Nickel Compounds	3.75E-04	5.21E-04	7.05E-04	1.18E-03	1.53E-03	1.76E-03	2.34E-03	3.78E-03	5.46E-04	9.99E-04	4.08E-05	3.94E-06	0.00E+00	
North Carolina	Durham County	37063	U	Perchloroethylene	1.80E-01	1.89E-01	2.11E-01	2.32E-01	2.39E-01	2.56E-01	2.95E-01	3.29E-01	3.28E-03	9.56E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Durham County	37063	U	Polychlorinated Biphenyls	4.02E-04	4.03E-04	4.04E-04	4.05E-04	4.05E-04	4.06E-04	4.08E-04	4.11E-04	0.00E+00	2.54E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Durham County	37063	U	Polycyclic Organic Matter	3.32E-02	3.82E-02	4.77E-02	5.89E-02	6.08E-02	7.09E-02	8.17E-02	1.04E-01	1.42E-04	1.89E-02	1.92E-02	2.53E-03	0.00E+00	
North Carolina	Durham County	37063	U	7-PAH	8.78E-04	9.47E-04	1.04E-03	1.18E-03	1.39E-03	1.33E-03	2.27E-03	2.87E-03	8.11E-10	1.24E-03	1.20E-04	2.64E-05	0.00E+00	
North Carolina	Durham County	37063	U	Propylene Dichloride	8.97E-06	1.00E-05	1.25E-05	1.56E-05	1.64E-05	1.78E-05	2.04E-05	2.43E-05	1.01E-06	1.54E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Quinoline	3.16E-08	3.71E-08	5.82E-08	1.08E-07	1.86E-07	1.53E-07	2.17E-07	3.44E-07	0.00E+00	1.86E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	1,1,2,2-Tetrachloroethane	4.44E-05	5.56E-05	6.27E-05	7.38E-05	7.52E-05	8.50E-05	9.22E-05	1.08E-04	9.27E-06	6.59E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Durham County	37063	U	Trichloroethylene	8.84E-02	9.32E-02	9.91E-02	1.12E-01	1.23E-01	1.28E-01	1.54E-01	2.02E-01	1.75E-04	4.16E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Durham County	37063	U	Vinyl Chloride	2.65E-04	2.99E-04	3.37E-04	4.34E-04	4.72E-04	5.46E-04	6.91E-04	9.69E-04	2.28E-05	4.05E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	Acetaldehyde	9.30E-02	1.02E-01	1.18E-01	1.56E-01	2.48E-01	3.39E-01	5.25E-01	8.02E-01	7.39E-02	1.17E-02	1.42E-01	2.03E-02	0.00E+00	
North Carolina	Edgecombe County	37065	U	Acrolein	1.86E-02	2.15E-02	2.40E-02	3.03E-02	5.54E-02	5.82E-02	1.81E-01	1.94E-01	2.19E-02	8.49E-03	2.20E-02	3.04E-03	0.00E+00	
North Carolina	Edgecombe County	37065	U	Acrylonitrile	1.34E-04	1.51E-04	2.24E-04	3.40E-04	8.21E-04	1.87E-03	5.88E-03	0.00E+00	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	Arsenic Compounds	1.75E-05	1.90E-05	2.10E-05	3.86E-05	5.06E-04	9.70E-05	3.28E-03	3.66E-03	4.62E-04	1.30E-05	2.40E-05	6.49E-06	0.00E+00	
North Carolina	Edgecombe County	37065	U	Benzene	6.36E-01	6.46E-01	6.79E-01	7.88E-01	9.25E-01	1.04E+00	1.55E+00	1.74E+00	1.21E-02	7.99E-02	3.05E-01	4.76E-02	4.80E-01	
North Carolina	Edgecombe County	37065	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 Carolina	Edgecombe County	37065	U	Beryllium Compounds	2.86E-05	3.18E-05	3.64E-05	4.87E-05	9.88E-05	1.83E-04	2.11E-04	2.71E-04	9.31E-05	4.16E-06	0.00E+00	1.52E-06	0.00E+00	
North Carolina	Edgecombe County	37065	U	1,3-Butadiene	5.25E-03	5.45E-03	7.11E-03	1.62E-02	3.10E-02	3.82E-02	8.82E-02	1.18E-01	4.39E-04	1.56E-03	2.37E-02	5.28E-03	0.00E+00	
North Carolina	Edgecombe County	37065	U	Cadmium Compounds	1.67E-05	1.68E-05	2.23E-05	5.22E-05	1.14E-04	9.62E-05	4.86E-04	5.37E-04	1.05E-04	6.92E-06	0.00E+00	1.51E-06	0.00E+00	
North Carolina	Edgecombe County	37065	U	Carbon Disulfide	4.81E-02	4.84E-02	4.87E-02	4.99E-02	5.23E-02	5.52E-02	6.12E-02	6.45E-02	4.77E-04	4.79E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Edgecombe County	37065	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.82E-01	1.70E-09	3.67E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Edgecombe County	37065	U	Chloroform	8.64E-02	8.82E-02	8.90E-02	9.84E-02	9.79E-02	1.05E-01	1.09E-01	1.11E-01	6.26E-03	8.61E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Edgecombe County	37065	U	Chromium Compounds (includes Hexavalent)	4.99E-04	5.42E-04	5.97E-04	2.03E-03	2.15E-03	3.66E-03	4.29E-03	4.59E-03	2.08E-03	4.61E-05	1.80E-05	1.04E-06	0.00E+00	
North Carolina	Edgecombe County	37065	U	Chromium VI	4.57E-04	5.12E-04	5.56E-04	1.66E-03	1.75E-03	3.02E-03	3.58E-03	4.16E-03	1.72E-03	1.62E-05	7.20E-06	3.55E-07	0.00E+00	
North Carolina	Edgecombe County	37065	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 Carolina	Edgecombe County	37065	U	1,4-Dichlorobenzene	4.32E-03	4.94E-03	5.95E-03	8.24E-03	1.61E-02	2.52E-02	4.40E-02	4.52E-02	1.38E-05	1.61E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	1,3-Dichloropropene	8.08E-03	9.42E-03	1.15E-02	1.61E-02	3.20E-02	5.06E-02	8.89E-02	9.15E-02	0.00E+00	3.20E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	6.08E-08	9.12E-07	0.00E+00	0.00E+00	7.70E-03	

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Edgecombe County	37065	U	Manganese Compounds	8.54E-04	9.74E-04	1.52E-03	2.31E-03	7.89E-03	1.36E-02	1.77E-02	3.28E-02	1.23E-05	7.88E-03	5.71E-06	7.56E-07	0.00E+00	
North Carolina	Edgecombe County	37065	U	Mercury Compounds	1.52E-03	1.53E-03	1.54E-03	1.56E-03	1.57E-03	1.60E-03	1.64E-03	1.69E-03	2.84E-05	1.22E-05	2.54E-05	6.80E-06	1.50E-03	
North Carolina	Edgecombe County	37065	U	Methylene Chloride	1.77E-01	1.90E-01	1.94E-01	2.16E-01	2.94E-01	3.02E-01	4.08E-01	1.69E-01	9.54E-03	1.35E-01	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	Nickel Compounds	5.71E-05	6.37E-05	7.53E-05	1.95E-04	2.68E-04	3.09E-04	6.15E-04	9.44E-04	8.15E-05	1.71E-04	1.35E-05	1.44E-06	0.00E+00	
North Carolina	Edgecombe County	37065	U	Perchloroethylene	1.50E-01	1.50E-01	1.56E-01	1.60E-01	1.73E-01	1.79E-01	1.94E-01	2.77E-01	4.43E-05	3.25E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Edgecombe County	37065	U	Polychlorinated Biphenyls	4.05E-04	4.06E-04	4.12E-04	4.33E-04	4.68E-04	5.07E-04	5.95E-04	6.39E-04	0.00E+00	8.81E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Edgecombe County	37065	U	Polycyclic Organic Matter	7.86E-03	9.25E-03	1.14E-02	1.91E-02	2.73E-02	3.58E-02	6.41E-02	6.55E-02	3.18E-03	1.67E-02	6.39E-03	1.02E-03	0.00E+00	
North Carolina	Edgecombe County	37065	U	7-PAH	3.84E-04	4.81E-04	5.03E-04	6.40E-04	9.14E-04	1.11E-03	1.94E-03	2.23E-03	8.28E-08	8.60E-04	4.25E-05	1.06E-05	0.00E+00	
North Carolina	Edgecombe County	37065	U	Propylene Dichloride	7.52E-06	9.10E-06	1.38E-05	2.15E-05	5.05E-05	3.93E-05	1.21E-04	3.56E-04	0.00E+00	5.05E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	Quinoline	7.53E-08	7.56E-08	9.30E-08	1.54E-07	6.63E-07	1.22E-06	2.34E-06	2.39E-06	0.00E+00	6.63E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	1,1,2,2-Tetrachloroethane	4.60E-05	6.00E-05	7.01E-05	1.14E-04	3.78E-04	1.77E-04	1.01E-03	3.24E-03	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Edgecombe County	37065	U	Trichloroethylene	8.39E-02	8.40E-02	8.56E-02	8.83E-02	9.70E-02	9.47E-02	9.51E-02	2.16E-01	2.49E-05	1.60E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Edgecombe County	37065	U	Vinyl Chloride	1.17E-04	1.61E-04	2.44E-04	2.84E-04	9.45E-04	4.21E-04	2.49E-03	7.98E-03	0.00E+00	9.45E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Acetaldehyde	2.44E-01	3.21E-01	3.64E-01	4.64E-01	5.19E-01	5.82E-01	8.77E-01	1.09E+00	3.05E-02	4.96E-02	3.93E-01	4.65E-02	0.00E+00	
North Carolina	Forsyth County	37067	U	Acrolein	4.34E-02	5.08E-02	7.43E-02	7.43E-02	7.34E-02	8.20E-02	9.65E-02	1.11E-01	3.12E-03	1.07E-02	5.22E-02	7.38E-03	0.00E+00	
North Carolina	Forsyth County	37067	U	Acrylonitrile	3.53E-04	5.64E-04	8.20E-04	1.32E-03	2.43E-03	2.22E-03	3.50E-03	4.86E-03	1.23E-03	1.20E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Arsenic Compounds	9.23E-05	1.21E-04	1.75E-04	2.34E-04	2.61E-04	3.42E-04	4.48E-04	1.51E-04	4.84E-04	1.51E-04	4.26E-05	5.55E-05	1.17E-05	0.00E+00
North Carolina	Forsyth County	37067	U	Benzene	8.99E-01	9.81E-01	1.16E+00	1.33E+00	1.41E+00	1.55E+00	2.02E+00	2.39E+00	3.62E-03	1.28E-01	6.88E-01	1.10E-01	4.80E-01	
North Carolina	Forsyth County	37067	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Beryllium Compounds	1.61E-05	1.85E-05	2.37E-05	3.20E-05	3.37E-05	3.83E-05	5.30E-05	6.40E-05	7.39E-06	2.60E-05	0.00E+00	2.97E-07	0.00E+00	
North Carolina	Forsyth County	37067	U	1,3-Butadiene	1.85E-02	2.20E-02	3.35E-02	4.61E-02	6.02E-02	7.02E-02	1.25E-01	1.62E-01	3.65E-04	8.92E-04	4.79E-02	1.11E-02	0.00E+00	
North Carolina	Forsyth County	37067	U	Cadmium Compounds	7.85E-05	1.04E-04	1.77E-04	2.86E-04	3.34E-04	3.95E-04	6.54E-04	8.89E-04	2.87E-04	4.65E-05	0.00E+00	2.96E-07	0.00E+00	
North Carolina	Forsyth County	37067	U	Carbon Disulfide	4.75E-02	4.78E-02	4.81E-02	4.91E-02	5.08E-02	5.08E-02	5.25E-02	7.05E-02	2.37E-04	3.65E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Forsyth County	37067	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.80E-01	8.81E-01	8.81E-01	5.98E-06	5.00E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Forsyth County	37067	U	Chloroform	9.46E-02	9.88E-02	1.04E-01	1.12E-01	1.12E-01	1.18E-01	1.22E-01	1.32E-01	1.41E-04	2.84E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Forsyth County	37067	U	Chromium Compounds (includes Hexavalent)	5.46E-04	5.89E-04	7.82E-04	1.04E-03	1.51E-03	1.59E-03	2.56E-03	4.01E-03	9.81E-04	4.85E-04	4.70E-05	1.64E-06	0.00E+00	
North Carolina	Forsyth County	37067	U	Chromium VI	1.90E-04	2.13E-04	2.78E-04	4.20E-04	5.43E-04	6.08E-04	9.78E-04	1.44E-03	4.02E-04	1.22E-04	1.88E-05	5.58E-07	0.00E+00	
North Carolina	Forsyth County	37067	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 Carolina	Forsyth County	37067	U	1,4-Dichlorobenzene	1.41E-02	1.86E-02	2.48E-02	3.41E-02	3.18E-02	3.83E-02	4.24E-02	4.85E-02	1.13E-04	3.17E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	1,3-Dichloropropene	2.74E-02	3.65E-02	4.91E-02	6.81E-02	6.32E-02	7.67E-02	8.43E-02	9.72E-02	0.00E+00	6.32E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	6.90E-07	9.23E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Forsyth County	37067	U	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	6.13E-02	6.15E-02	6.22E-02	1.51E-04	1.62E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Forsyth County	37067	U	Ethylene Oxide	3.92E-04	4.63E-04	6.18E-04	1.24E-03	2.95E-03	2.26E-03	4.60E-03	6.83E-03	2.97E-05	2.92E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Formaldehyde	4.69E-01	5.25E-01	5.92E-01	6.70E-01	7.30E-01	7.94E-01	1.00E+00	1.20E+00	2.50E-02	4.28E-02	3.25E-01	8.71E-02	2.50E-01	
North Carolina	Forsyth County	37067	U	Hexachlorobenzene	9.36E-05	9.37E-05	9.38E-05	9.39E-05	9.39E-05	9.39E-05	9.41E-05	9.41E-05	3.06E-11	8.16E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Forsyth County	37067	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	2.79E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Forsyth County	37067	U	Hexamethylene Diisocyanate	1.05E-07	2.14E-07	2.66E-07	3.53E-07	2.14E-05	1.14E-05	1.13E-04	1.31E-04	2.05E-05	9.38E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Hydrazine	2.22E-09	5.17E-09	1.21E-08	3.57E-08	1.59E-07	1.56E-07	2.02E-07	4.69E-07	5.21E-10	1.59E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Lead Compounds	3.12E-04	4.80E-04	7.10E-04	1.40E-03	3.01E-03	3.88E-03	6.88E-03	1.52E-02	1.05E-04	1.16E-03	0.00E+00	1.75E-03	0.00E+00	
North Carolina	Forsyth County	37067	U	Manganese Compounds	1.17E-03	1.42E-03	1.69E-03	2.25E-03	2.73E-03	2.92E-03	4.04E-03	4.45E-03	1.22E-03	1.49E-03	1.52E-05	1.26E-06	0.00E+00	
North Carolina	Forsyth County	37067	U	Mercury Compounds	1.56E-03	1.57E-03	1.60E-03	1.65E-03	1.65E-03	1.69E-03	1.72E-03	1.76E-03	6.40E-05	2.12E-05	5.46E-05	9.36E-06	1.50E-03	
North Carolina	Forsyth County	37067	U	Methylene Chloride	2.54E-01	2.71E-01	2.97E-01	3.44E-01	3.63E-01	3.93E-01	4.47E-01	4.71E-01	5.35E-02	1.59E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Forsyth County	37067	U	Nickel Compounds	2.02E-04	2.24E-04	2.70E-04	3.20E-04	4.48E-04	3.77E-04	5.09E-04	6.72E-04	8.50E-05	3.26E-04	3.49E-05	2.17E-06	0.00E+00	
North Carolina	Forsyth County	37067	U	Perchloroethylene	1.60E-01	1.83E-01	1.91E-01	2.03E-01	2.15E-01	2.28E-01	2.64E-01	3.04E-01	2.26E-03	7.23E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Forsyth County	37067	U	Polychlorinated Biphenyls	4.50E-04	4.61E-04	4.70E-04	4.83E-04	4.83E-04	4.93E-04	5.08E-04	5.12E-04	2.59E-12	1.03E-04	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Forsyth County	37067	U	Polycyclic Organic Matter	3.10E-02	3.75E-02	4.48E-02	5.24E-02	5.34E-02	6.19E-02	7.00E-02	7.87E-02	1.84E-03	3.31E-02	1.63E-02	2.06E-03	0.00E+00	
North Carolina	Forsyth County	37067	U	7-PAH	1.10E-03	1.13E-03	1.21E-03	1.31E-03	1.35E-03	1.50E-03	1.61E-03	1.71E-03	2.75E-06	1.22E-03	1.05E-04	2.06E-05	0.00E+00	
North Carolina	Forsyth County	37067	U	Propylene Dichloride	2.31E-05	3.39E-05	5.05E-05	7.88E-05	1.42E-04	1.18E-04	1.84E-04	2.58E-04	7.55E-05	6.63E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Quinoline	8.25E-08	1.14E-07	1.78E-07	4.34E-07	6.65E-07	6.66E-07	9.20E-07	1.65E-06	0.00E+00	6.65E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	1,1,2,2-Tetrachloroethane	1.73E-04	2.60E-04	3.87E-04	6.05E-04	1.18E-03	9.47E-04	1.62E-03	2.29E-03	6.80E-04	5.05E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Forsyth County	37067	U	Trichloroethylene	8.71E-02	9.09E-02	9.64E-02	1.08E-01	1.24E-01	1.28E-01	1.56E-01	2.18E-01	1.37E-03	4.21E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Forsyth County	37067	U	Vinyl Chloride	4.32E-04	7.55E-04	1.07E-03	1.58E-03	2.99E-03	2.41E-03	4.05E-03	5.71E-03	1.67E-03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Acetaldehyde	9.60E-02	9.60E-02	1.14E-01	1.79E-01	1.78E-01	2.28E-01	2.83E-01	2.83E-01	1.32E-05	1.92E-02	1.43E-01	1.52E-02	0.00E+00	
North Carolina	Franklin County	37069	U	Acrolein	1.85E-02	1.85E-02	2.34E-02	3.21E-02	3.24E-02	4.13E-02	4.68E-02	4.68E-02	1.51E-06	7.43E-03	2.13E-02	3.66E-03	0.00E+00	
North Carolina	Franklin County	37069	U	Acrylonitrile	8.40E-05	8.40E-05	1.40E-04	2.08E-04	1.89E-04	2.37E-04	2.59E-04	2.59E-04	3.05E-05	1.59E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Arsenic Compounds	1.86E-05	1.86E-05	2.07E-05	3.62E-05	3.25E-05	4.16E-05	4.48E-05	2.12E-06	1.00E-05	1.67E-05	3.74E-06	0.00E+00	0.00E+00	
North Carolina																		

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Franklin County	37069	U	Chromium Compounds (includes Hexavalent)	3.91E-05	3.91E-05	9.89E-05	2.10E-04	2.49E-04	3.74E-04	5.90E-04	5.90E-04	1.98E-04	3.92E-05	1.21E-05	3.70E-07	0.00E+00	
North Carolina	Franklin County	37069	U	Chromium VI	3.34E-05	3.34E-05	4.80E-05	1.67E-04	2.21E-04	3.65E-04	5.78E-04	5.78E-04	1.94E-04	2.26E-05	4.83E-06	1.26E-07	0.00E+00	
North Carolina	Franklin County	37069	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 Carolina	Franklin County	37069	U	1,4-Dichlorobenzene	4.41E-03	4.41E-03	6.10E-03	9.10E-03	8.97E-03	1.14E-02	1.41E-02	1.41E-02	2.99E-06	8.96E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	1,3-Dichloropropene	8.38E-03	8.38E-03	1.09E-02	1.72E-02	1.69E-02	2.16E-02	2.69E-02	2.69E-02	0.00E+00	1.69E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.50E-08	2.79E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Franklin County	37069	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	3.95E-06	2.11E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Franklin County	37069	U	Ethylene Oxide	5.55E-05	5.55E-05	6.60E-05	1.51E-04	1.54E-04	2.43E-04	2.59E-04	2.59E-04	1.31E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Formaldehyde	3.74E-01	3.74E-01	4.01E-01	4.43E-01	4.50E-01	4.98E-01	5.41E-01	5.41E-01	1.97E-02	4.56E-02	1.06E-01	2.87E-02	2.50E-01	
North Carolina	Franklin County	37069	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.35E-05	9.35E-05	9.36E-05	9.37E-05	9.37E-05	0.00E+00	4.74E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Franklin County	37069	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	4.03E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Franklin County	37069	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	1.40E-07	4.26E-07	3.65E-07	5.32E-07	7.27E-07	7.27E-07	0.00E+00	3.65E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Hydrazine	2.00E-09	2.00E-09	4.02E-09	6.15E-09	4.64E-08	6.82E-08	2.12E-07	2.12E-07	0.00E+00	4.64E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Lead Compounds	1.93E-04	1.93E-04	2.04E-04	2.99E-04	3.64E-04	4.92E-04	7.26E-04	7.26E-04	6.65E-05	2.27E-04	0.00E+00	7.08E-05	0.00E+00	
North Carolina	Franklin County	37069	U	Manganese Compounds	3.12E-04	3.12E-04	4.58E-04	7.79E-04	1.10E-03	1.22E-03	3.57E-03	3.57E-03	1.27E-05	1.08E-03	3.65E-06	3.63E-07	0.00E+00	
North Carolina	Franklin County	37069	U	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.54E-03	3.56E-06	5.18E-06	1.82E-05	3.18E-06	1.50E-03	
North Carolina	Franklin County	37069	U	Methylene Chloride	1.65E-01	1.65E-01	1.67E-01	1.78E-01	1.77E-01	1.84E-01	1.93E-01	1.93E-01	3.14E-04	2.67E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Franklin County	37069	U	Nickel Compounds	3.75E-05	3.75E-05	3.89E-05	6.58E-05	7.69E-05	1.16E-04	1.37E-04	1.37E-04	7.22E-06	6.02E-05	8.97E-06	5.54E-07	0.00E+00	
North Carolina	Franklin County	37069	U	Perchloroethylene	1.51E-01	1.51E-01	1.55E-01	1.62E-01	1.64E-01	1.68E-01	1.89E-01	1.89E-01	5.57E-05	2.36E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Franklin County	37069	U	Polychlorinated Biphenyls	4.12E-04	4.12E-04	4.21E-04	4.32E-04	4.34E-04	4.47E-04	4.64E-04	4.64E-04	0.00E+00	5.45E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Franklin County	37069	U	Polycyclic Organic Matter	1.15E-02	1.15E-02	1.31E-02	2.15E-02	1.89E-02	2.33E-02	2.42E-02	2.42E-02	6.60E-07	1.41E-02	4.27E-03	5.31E-04	0.00E+00	
North Carolina	Franklin County	37069	U	7-PAH	6.55E-04	6.55E-04	7.11E-04	8.53E-04	8.26E-04	9.16E-04	9.95E-04	9.95E-04	2.36E-10	7.91E-04	2.96E-05	5.48E-06	0.00E+00	
North Carolina	Franklin County	37069	U	Propylene Dichloride	5.67E-06	5.67E-06	9.03E-06	1.23E-05	1.24E-05	1.66E-05	1.79E-05	1.79E-05	1.85E-06	1.06E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Quinoline	8.30E-08	8.30E-08	1.11E-07	1.35E-07	2.53E-07	3.50E-07	7.48E-07	7.48E-07	0.00E+00	2.53E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	1,1,2,2-Tetrachloroethane	3.80E-05	3.80E-05	6.86E-05	9.52E-05	8.71E-05	1.01E-04	1.28E-04	1.28E-04	1.69E-05	7.02E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Franklin County	37069	U	Trichloroethylene	8.24E-02	8.24E-02	8.29E-02	8.48E-02	8.45E-02	8.53E-02	8.76E-02	8.76E-02	3.13E-05	3.05E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Franklin County	37069	U	Vinyl Chloride	9.81E-05	9.81E-05	2.60E-04	3.77E-04	3.38E-04	4.43E-04	4.47E-04	4.47E-04	4.17E-05	2.96E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Acetaldehyde	4.84E-01	5.16E-01	7.86E-01	1.02E+00	1.13E+00	1.34E+00	1.74E+00	2.04E+00	5.53E-01	1.69E-02	4.85E-01	7.22E-02	0.00E+00	
North Carolina	Gaston County	37071	U	Acrolein	6.66E-02	7.64E-02	9.12E-02	1.01E-01	1.04E-01	1.17E-01	1.33E-01	1.47E-01	4.96E-03	1.91E-02	6.45E-02	1.56E-02	0.00E+00	
North Carolina	Gaston County	37071	U	Acrylonitrile	6.07E-04	6.29E-04	7.04E-04	8.03E-04	1.05E-03	1.06E-03	1.26E-03	2.23E-03	2.53E-06	1.05E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Arsenic Compounds	1.44E-04	2.02E-04	2.43E-04	2.72E-04	2.88E-04	3.32E-04	4.16E-04	4.48E-04	1.99E-04	1.60E-05	6.17E-05	1.14E-05	0.00E+00	
North Carolina	Gaston County	37071	U	Benzene	1.03E+00	1.09E+00	1.17E+00	1.36E+00	1.50E+00	1.57E+00	2.23E+00	2.48E+00	1.27E-03	1.37E-01	7.68E-01	1.16E-01	4.80E-01	
North Carolina	Gaston County	37071	U	Benzidine	6.16E-13	7.48E-13	1.10E-12	1.47E-12	1.76E-12	2.33E-12	3.53E-12	3.90E-12	0.00E+00	1.76E-12	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Beryllium Compounds	1.84E-05	1.91E-05	2.07E-05	2.40E-05	2.80E-05	2.79E-05	3.30E-05	5.24E-05	7.23E-06	2.00E-05	0.00E+00	7.87E-07	0.00E+00	
North Carolina	Gaston County	37071	U	1,3-Butadiene	1.57E-02	1.85E-02	2.76E-02	4.19E-02	6.65E-02	7.98E-02	1.63E-01	1.69E-01	5.39E-06	9.15E-03	4.74E-02	9.95E-03	0.00E+00	
North Carolina	Gaston County	37071	U	Cadmium Compounds	1.99E-05	2.22E-05	2.65E-05	2.82E-05	3.14E-05	3.60E-05	4.50E-05	5.33E-05	1.02E-05	2.04E-05	0.00E+00	7.84E-07	0.00E+00	
North Carolina	Gaston County	37071	U	Carbon Disulfide	4.80E-02	4.84E-02	4.89E-02	4.97E-02	5.02E-02	5.10E-02	5.21E-02	5.25E-02	7.89E-04	2.42E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Gaston County	37071	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.83E-01	8.84E-01	8.84E-01	8.87E-04	5.09E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Gaston County	37071	U	Chloroform	9.38E-02	9.66E-02	9.90E-02	1.04E-01	1.05E-01	1.12E-01	1.16E-01	1.19E-01	3.52E-03	1.86E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Gaston County	37071	U	Chromium Compounds (includes Hexavalent)	4.77E-04	5.02E-04	5.40E-04	6.74E-04	9.22E-04	8.54E-04	1.15E-03	2.46E-03	4.18E-04	4.51E-04	5.17E-05	1.73E-06	0.00E+00	
North Carolina	Gaston County	37071	U	Chromium VI	1.64E-04	1.73E-04	1.92E-04	2.41E-04	3.20E-04	3.15E-04	4.75E-04	7.04E-04	1.08E-04	1.90E-04	2.06E-05	5.90E-07	0.00E+00	
North Carolina	Gaston County	37071	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 Carolina	Gaston County	37071	U	1,4-Dichlorobenzene	1.59E-02	1.90E-02	2.22E-02	2.78E-02	2.80E-02	3.50E-02	3.86E-02	3.91E-02	2.28E-06	2.80E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	1,3-Dichloropropene	3.06E-02	3.66E-02	4.33E-02	5.45E-02	5.50E-02	6.93E-02	7.66E-02	7.78E-02	0.00E+00	5.50E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	6.08E-08	5.93E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Gaston County	37071	U	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.13E-02	6.14E-02	8.14E-05	6.67E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Gaston County	37071	U	Ethylene Oxide	8.06E-04	1.31E-03	1.97E-03	3.52E-03	2.94E-03	3.52E-03	4.03E-03	4.58E-03	1.25E-03	1.68E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Formaldehyde	6.11E-01	6.36E-01	6.94E-01	8.15E-01	9.06E-01	1.05E+00	1.25E+00	1.38E+00	8.26E-02	5.86E-02	3.84E-01	1.31E-01	2.50E-01	
North Carolina	Gaston County	37071	U	Hexachlorobenzene	9.37E-05	9.38E-05	9.38E-05	9.40E-05	9.40E-05	9.41E-05	9.43E-05	9.45E-05	5.40E-08	9.62E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Gaston County	37071	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	2.61E-09	3.60E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Gaston County	37071	U	Hexamethylene Diisocyanate	2.07E-04	2.33E-04	2.81E-04	3.85E-04	1.19E-03	7.03E-04	1.48E-03	2.52E-03	1.17E-03	1.66E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Hydrazine	6.53E-06	7.33E-06	1.45E-05	2.33E-05	3.56E-05	4.25E-05	8.69E-05	1.13E-04	1.44E-07	3.55E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Lead Compounds	6.21E-04	7.50E-04	9.85E-04	1.11E-03	1.24E-03	1.48E-03	2.17E-03	2.35E-04	7.12E-04	0.00E+00	2.93E-04	0.00E+00	0.00E+00	
North Carolina	Gaston County	37071	U	Manganese Compounds	8.36E-04	9.93E-04	1.08E-03	1.26E-03	1.39E-03	1.50E-03	1.65E-03	1.82E-03	4.35E-04	9.35E-04	1.65E-05	1.28E-06	0.00E+00	
North Carolina	Gaston County	37071	U	Mercury Compounds	1.57E-03	1.58E-03	1.63E-03	1.64E-03	1.65E-03	1.67E-03	1.73E-03	1.75E-03	1.59E-05	6.58E-05	6.11E-05	9.81E-06	1.50E-03	
North Carolina	Gaston County	37071	U	Methylene Chloride	3.30E-01	3.59E-01	4.00E-01	4.94E-01	7.09E-01	6.55E-01	1.01E+00	1.58E+00	3.59E-01	2.00E-01	0.00E+00	1.50E-01	0.00E+00	
North Carolina	Gaston County	37071	U	Nickel Compounds														

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Gaston County	37071	U	Trichloroethylene	9.29E-02	9.34E-02	9.78E-02	1.03E-01	1.14E-01	1.17E-01	1.32E-01	1.48E-01	4.30E-03	2.82E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Gaston County	37071	U	Vinyl Chloride	3.83E-04	3.96E-04	5.13E-04	6.44E-04	7.25E-04	7.11E-04	7.85E-04	9.43E-04	5.31E-06	7.20E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Acetaldehyde	8.05E-02	8.05E-02	8.05E-02	8.95E-02	1.05E-01	1.45E-01	1.45E-01	1.45E-01	6.05E-02	1.15E-02	2.28E-02	1.01E-02	0.00E+00	
North Carolina	Gates County	37073	R	Acrolein	9.59E-03	9.59E-03	9.59E-03	1.04E-02	1.03E-02	1.08E-02	1.08E-02	1.08E-02	9.51E-04	5.17E-03	3.18E-03	9.61E-04	0.00E+00	
North Carolina	Gates County	37073	R	Acrylonitrile	6.48E-05	6.48E-05	6.48E-05	1.10E-04	1.07E-04	1.47E-04	1.47E-04	1.47E-04	0.00E+00	1.07E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Arsenic Compounds	2.46E-05	2.46E-05	2.46E-05	6.15E-05	4.99E-05	6.36E-05	6.36E-05	6.36E-05	3.18E-05	1.33E-05	3.19E-06	1.56E-06	0.00E+00	
North Carolina	Gates County	37073	R	Benzene	5.47E-01	5.47E-01	5.47E-01	5.54E-01	5.64E-01	5.91E-01	5.91E-01	5.91E-01	1.59E-02	2.71E-02	3.05E-02	1.06E-02	4.80E-01	
North Carolina	Gates County	37073	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 Carolina	Gates County	37073	R	Beryllium Compounds	1.92E-06	1.92E-06	1.92E-06	3.59E-06	3.13E-06	3.89E-06	3.89E-06	3.89E-06	5.18E-07	2.53E-06	0.00E+00	7.99E-08	0.00E+00	
North Carolina	Gates County	37073	R	1,3-Butadiene	3.27E-03	3.27E-03	3.27E-03	3.60E-03	3.55E-03	3.77E-03	3.77E-03	3.77E-03	0.00E+00	1.55E-03	1.62E-03	3.79E-04	0.00E+00	
North Carolina	Gates County	37073	R	Cadmium Compounds	3.81E-06	3.81E-06	3.81E-06	4.68E-06	4.67E-06	5.53E-06	5.53E-06	5.53E-06	2.70E-06	1.89E-06	0.00E+00	8.14E-08	0.00E+00	
North Carolina	Gates County	37073	R	Carbon Disulfide	4.84E-02	4.84E-02	4.84E-02	4.93E-02	4.96E-02	5.11E-02	5.11E-02	5.11E-02	2.46E-03	1.25E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Gates County	37073	R	Carbon Tetrachloride	8.82E-01	8.82E-01	8.82E-01	8.83E-01	8.84E-01	8.86E-01	8.86E-01	8.86E-01	3.53E-03	2.87E-05	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Gates County	37073	R	Chloroform	9.38E-02	9.38E-02	9.38E-02	1.01E-01	1.03E-01	1.16E-01	1.16E-01	1.16E-01	1.96E-02	9.20E-04	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Gates County	37073	R	Chromium Compounds (includes Hexavalent)	3.93E-05	3.93E-05	3.93E-05	2.44E-04	1.97E-04	3.07E-04	3.07E-04	3.07E-04	1.15E-04	7.96E-05	1.99E-06	1.23E-07	0.00E+00	
North Carolina	Gates County	37073	R	Chromium VI	2.35E-05	2.35E-05	2.35E-05	7.83E-05	7.90E-05	1.35E-04	1.35E-04	1.35E-04	1.57E-05	6.25E-05	7.83E-07	4.18E-08	0.00E+00	
North Carolina	Gates County	37073	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 Carolina	Gates County	37073	R	1,4-Dichlorobenzene	1.90E-03	1.90E-03	1.90E-03	2.04E-03	2.03E-03	2.17E-03	2.17E-03	2.17E-03	2.00E-08	2.03E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	1,3-Dichloropropene	6.14E-03	6.14E-03	6.14E-03	7.26E-03	7.45E-03	8.96E-03	8.96E-03	8.96E-03	3.52E-03	3.93E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	4.43E-08	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Gates County	37073	R	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	6.15E-02	6.15E-02	6.15E-02	3.22E-04	2.70E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Gates County	37073	R	Ethylene Oxide	4.80E-05	4.80E-05	4.80E-05	4.93E-05	5.22E-05	5.92E-05	5.92E-05	5.92E-05	0.00E+00	5.22E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Formaldehyde	3.29E-01	3.29E-01	3.29E-01	3.34E-01	3.42E-01	3.61E-01	3.61E-01	3.61E-01	2.37E-02	3.00E-02	1.98E-02	1.61E-02	2.50E-01	
North Carolina	Gates County	37073	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.36E-05	9.36E-05	9.36E-05	9.36E-05	3.10E-08	2.98E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Gates County	37073	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	1.22E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Gates County	37073	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 Carolina	Gates County	37073	R	Hydrazine	4.93E-10	4.93E-10	4.93E-10	6.37E-10	6.83E-10	9.18E-10	9.18E-10	9.18E-10	0.00E+00	6.83E-10	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Lead Compounds	2.79E-04	2.79E-04	2.79E-04	2.82E-04	2.99E-04	3.37E-04	3.37E-04	3.37E-04	1.63E-04	4.85E-05	0.00E+00	8.77E-05	0.00E+00	
North Carolina	Gates County	37073	R	Manganese Compounds	4.53E-04	4.53E-04	4.53E-04	5.83E-04	5.43E-04	5.92E-04	5.92E-04	5.92E-04	3.49E-04	1.93E-04	6.05E-07	1.76E-07	0.00E+00	
North Carolina	Gates County	37073	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	2.33E-06	3.39E-06	3.64E-06	1.43E-06	1.50E-03	
North Carolina	Gates County	37073	R	Methylene Chloride	1.57E-01	1.57E-01	1.57E-01	1.58E-01	1.58E-01	1.60E-01	1.60E-01	1.60E-01	3.35E-04	7.78E-03	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Gates County	37073	R	Nickel Compounds	2.96E-04	2.96E-04	2.96E-04	3.70E-04	3.63E-04	4.22E-04	4.22E-04	4.22E-04	3.00E-04	6.02E-05	1.50E-06	7.41E-07	0.00E+00	
North Carolina	Gates County	37073	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	1.45E-01	1.45E-01	1.45E-01	7.11E-04	3.56E-03	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Gates County	37073	R	Polychlorinated Biphenyls	3.92E-04	3.92E-04	3.92E-04	3.97E-04	3.98E-04	4.04E-04	4.04E-04	4.04E-04	2.70E-09	1.75E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Gates County	37073	R	Polycyclic Organic Matter	4.57E-03	4.57E-03	4.57E-03	5.34E-03	5.12E-03	5.45E-03	5.45E-03	5.45E-03	5.05E-06	4.26E-03	6.99E-04	1.54E-04	0.00E+00	
North Carolina	Gates County	37073	R	7-PAH	3.18E-04	3.18E-04	3.18E-04	4.11E-04	3.84E-04	4.22E-04	4.22E-04	4.22E-04	2.05E-09	3.76E-04	4.98E-06	2.67E-06	0.00E+00	
North Carolina	Gates County	37073	R	Propylene Dichloride	3.36E-03	3.36E-03	3.36E-03	4.33E-03	5.53E-03	8.90E-03	8.90E-03	8.90E-03	5.52E-03	1.08E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Quinoline	2.08E-05	2.08E-05	2.08E-05	8.01E-05	6.66E-05	9.89E-05	9.89E-05	9.89E-05	0.00E+00	6.66E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	1,1,2,2-Tetrachloroethane	2.25E-05	2.25E-05	2.25E-05	3.51E-05	4.31E-05	7.16E-05	7.16E-05	7.16E-05	0.00E+00	4.31E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Gates County	37073	R	Trichloroethylene	8.20E-02	8.20E-02	8.20E-02	8.23E-02	8.23E-02	8.26E-02	8.26E-02	8.26E-02	6.66E-04	6.23E-04	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Gates County	37073	R	Vinyl Chloride	6.44E-05	6.44E-05	6.44E-05	8.88E-05	8.64E-05	1.06E-04	1.06E-04	1.06E-04	7.80E-07	8.56E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Graham County	37075	R	Acetaldehyde	2.76E-02	2.76E-02	2.76E-02	3.12E-02	3.38E-02	4.27E-02	4.27E-02	4.27E-02	2.41E-03	1.03E-02	1.83E-02	2.81E-03	0.00E+00	
North Carolina	Graham County	37075	R	Acrolein	1.27E-02	1.27E-02	1.27E-02	1.47E-02	1.62E-02	2.14E-02	2.14E-02	2.14E-02	5.87E-04	1.12E-02	3.34E-03	1.16E-03	0.00E+00	
North Carolina	Graham County	37075	R	Acrylonitrile	4.56E-05	4.56E-05	4.56E-05	5.12E-05	6.06E-05	8.50E-05	8.50E-05	8.50E-05	0.00E+00	6.06E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Graham County	37075	R	Arsenic Compounds	5.88E-06	5.88E-06	5.88E-06	1.03E-05	9.44E-06	1.22E-05	1.22E-05	1.22E-05	3.87E-06	1.23E-06	3.56E-06	7.78E-07	0.00E+00	
North Carolina	Graham County	37075	R	Benzene	5.55E-01	5.55E-01	5.55E-01	5.66E-01	5.79E-01	6.16E-01	6.16E-01	6.16E-01	7.60E-04	4.95E-02	3.29E-02	1.59E-02	4.80E-01	
North Carolina	Graham County	37075	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 Carolina	Graham County	37075	R	Beryllium Compounds	4.03E-07	4.03E-07	4.03E-07	7.76E-07	6.93E-07	8.98E-07	8.98E-07	8.98E-07	2.74E-07	4.12E-07	0.00E+00	6.11E-09	0.00E+00	
North Carolina	Graham County	37075	R	1,3-Butadiene	3.35E-03	3.35E-03	3.35E-03	4.30E-03	5.87E-03	9.96E-03	9.96E-03	9.96E-03	0.00E+00	3.52E-03	1.70E-03	6.51E-04	0.00E+00	
North Carolina	Graham County	37075	R	Cadmium Compounds	1.00E-06	1.00E-06	1.00E-06	1.91E-06	1.65E-06	2.03E-06	2.03E-06	2.03E-06	8.07E-07	8.36E-07	0.00E+00	6.04E-09	0.00E+00	
North Carolina	Graham County	37075	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	0.00E+00	1.06E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Graham County	37075	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	5.44E-06	2.92E-05	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Graham County	37075	R	Chloroform	8.48E-02	8.48E-02	8.48E-02	8.54E-02	8.58E-02	8.72E-02	8.72E-02	8.72E-02	5.32E-06	2.79E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Graham County	37075	R	Chromium Compounds (includes Hexavalent)	8.84E-05	8.84E-05	8.84E-05	2.14E-04	1.88E-04	2.61E-04	2.61E-04	2.61E-04	1.72E-04	1.38E-05	2.08E-06	1.46E-07	0.00E+00	
North Carolina	Graham County	37075	R	Chromium VI	8.69E-05	8.69E-05	8.69E-05	2.12E-04	1.86E-04	2.59E-04	2.59E-04	2.59E-04	1.72E-04	1.34E-05	8.21E-07	4.95E-08	0.00E+00	
North Carolina	Graham County	37075	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 Carolina	Graham County	37075	R	1,4-Dichlorobenzene	1.65E-03	1.65E-03	1.65E-03	2.01E-03	2.38E-03	3.47E-03								

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Graham County	37075	R	Hexamethylene Diisocyanate	2.32E-05	2.32E-05	2.32E-05	2.99E-05	3.18E-05	4.23E-05	4.23E-05	4.23E-05	0.00E+00	3.18E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Graham County	37075	R	Hydrazine	1.41E-11	1.41E-11	1.41E-11	2.06E-11	2.17E-11	3.03E-11	3.03E-11	3.03E-11	0.00E+00	2.17E-11	0.00E+00	0.00E+00	0.00E+00
North Carolina	Graham County	37075	R	Lead Compounds	1.66E-05	1.66E-05	1.66E-05	3.35E-05	2.95E-05	3.84E-05	3.84E-05	3.84E-05	1.26E-05	1.65E-05	0.00E+00	3.47E-07	0.00E+00
North Carolina	Graham County	37075	R	Manganese Compounds	1.77E-04	1.77E-04	1.77E-04	3.59E-04	3.23E-04	4.33E-04	4.33E-04	4.33E-04	2.67E-04	5.57E-05	6.80E-07	9.31E-08	0.00E+00
North Carolina	Graham County	37075	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	1.73E-06	4.09E-06	5.95E-07	1.50E-03
North Carolina	Graham County	37075	R	Methylene Chloride	1.56E-01	1.56E-01	1.56E-01	1.59E-01	1.59E-01	1.62E-01	1.62E-01	1.62E-01	5.76E-05	9.08E-03	0.00E+00	0.00E+00	1.50E-01
North Carolina	Graham County	37075	R	Nickel Compounds	2.09E-05	2.09E-05	2.09E-05	4.97E-05	4.11E-05	5.27E-05	5.27E-05	5.27E-05	2.91E-05	1.02E-05	1.62E-06	1.57E-07	0.00E+00
North Carolina	Graham County	37075	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.46E-01	1.47E-01	1.51E-01	1.51E-01	1.51E-01	7.63E-06	7.31E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Graham County	37075	R	Polychlorinated Biphenyls	3.93E-04	3.93E-04	3.93E-04	4.06E-04	4.04E-04	4.12E-04	4.12E-04	4.12E-04	9.53E-09	2.37E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Graham County	37075	R	Polycyclic Organic Matter	7.99E-03	7.99E-03	7.99E-03	1.21E-02	1.10E-02	1.29E-02	1.29E-02	1.29E-02	2.74E-03	7.37E-03	7.66E-04	1.14E-04	0.00E+00
North Carolina	Graham County	37075	R	7-PAH	7.20E-04	7.20E-04	7.20E-04	8.52E-04	9.05E-04	1.14E-03	1.14E-03	1.14E-03	9.31E-05	8.03E-04	5.68E-06	3.34E-06	0.00E+00
North Carolina	Graham County	37075	R	Propylene Dichloride	7.27E-06	7.27E-06	7.27E-06	1.21E-05	1.06E-05	1.23E-05	1.23E-05	1.23E-05	6.56E-06	3.99E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Graham County	37075	R	Quinoline	8.07E-10	8.07E-10	8.07E-10	1.25E-09	1.17E-09	1.45E-09	1.45E-09	1.45E-09	0.00E+00	1.17E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Graham County	37075	R	1,1,2,2-Tetrachloroethane	1.85E-05	1.85E-05	1.85E-05	1.90E-05	2.41E-05	3.49E-05	3.49E-05	3.49E-05	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Graham County	37075	R	Trichloroethylene	8.16E-02	8.16E-02	8.16E-02	8.19E-02	8.19E-02	8.22E-02	8.22E-02	8.22E-02	6.25E-06	9.02E-04	0.00E+00	0.00E+00	8.10E-02
North Carolina	Graham County	37075	R	Vinyl Chloride	4.69E-05	4.69E-05	4.69E-05	5.07E-05	6.23E-05	8.93E-05	8.93E-05	8.93E-05	2.58E-06	5.97E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Acetaldehyde	7.47E-02	7.47E-02	1.74E-01	1.95E-01	2.58E-01	3.49E-01	5.38E-01	5.38E-01	2.13E-03	1.54E-02	2.21E-01	1.96E-02	0.00E+00
North Carolina	Granville County	37077	R	Acrolein	1.57E-02	1.57E-02	2.91E-02	3.37E-02	3.71E-02	4.59E-02	5.93E-02	5.93E-02	7.80E-05	8.58E-03	2.47E-02	3.73E-03	0.00E+00
North Carolina	Granville County	37077	R	Acrylonitrile	1.75E-04	1.75E-04	2.17E-04	4.72E-04	1.56E-03	2.07E-03	6.86E-03	6.86E-03	5.52E-06	1.56E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Arsenic Compounds	5.72E-05	5.72E-05	1.02E-04	1.66E-04	1.53E-04	1.91E-04	2.25E-04	2.25E-04	1.13E-04	5.55E-06	2.91E-05	5.02E-06	0.00E+00
North Carolina	Granville County	37077	R	Benzene	6.00E-01	6.00E-01	7.30E-01	8.54E-01	9.13E-01	8.97E-01	1.64E+00	1.64E+00	5.20E-05	7.95E-02	3.11E-01	4.16E-02	4.80E-01
North Carolina	Granville County	37077	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 Carolina	Granville County	37077	R	Beryllium Compounds	1.02E-05	1.02E-05	1.07E-05	1.68E-05	1.62E-05	2.01E-05	2.05E-05	2.05E-05	1.42E-05	1.95E-06	0.00E+00	4.40E-08	0.00E+00
North Carolina	Granville County	37077	R	1,3-Butadiene	4.43E-03	4.43E-03	8.00E-03	1.72E-02	2.61E-02	1.82E-02	1.05E-01	1.05E-01	0.00E+00	2.23E-03	2.10E-02	2.87E-03	0.00E+00
North Carolina	Granville County	37077	R	Cadmium Compounds	6.27E-06	6.27E-06	1.35E-04	1.61E-04	1.46E-04	1.71E-04	2.41E-04	2.41E-04	1.41E-04	4.16E-06	0.00E+00	4.37E-08	0.00E+00
North Carolina	Granville County	37077	R	Carbon Disulfide	4.78E-02	4.78E-02	4.80E-02	4.92E-02	5.66E-02	6.44E-02	8.24E-02	8.24E-02	1.32E-05	9.56E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Granville County	37077	R	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	1.02E-08	1.99E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Granville County	37077	R	Chloroform	8.54E-02	8.54E-02	8.88E-02	9.05E-02	9.21E-02	9.62E-02	9.74E-02	9.74E-02	1.85E-06	9.07E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Granville County	37077	R	Chromium Compounds (includes Hexavalent)	2.02E-04	2.02E-04	1.74E-03	2.03E-03	1.84E-03	2.74E-03	2.74E-03	2.74E-03	1.80E-03	1.67E-05	2.17E-05	5.24E-07	0.00E+00
North Carolina	Granville County	37077	R	Chromium VI	1.38E-04	1.38E-04	1.67E-03	1.90E-03	1.74E-03	2.00E-03	2.64E-03	2.64E-03	1.72E-03	8.26E-06	8.61E-06	1.78E-07	0.00E+00
North Carolina	Granville County	37077	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 Carolina	Granville County	37077	R	1,4-Dichlorobenzene	9.63E-03	9.63E-03	1.02E-02	1.10E-02	1.46E-02	1.37E-02	3.41E-02	3.41E-02	6.03E-07	1.46E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	1,3-Dichloropropene	6.02E-03	6.02E-03	1.25E-02	1.58E-02	1.85E-02	2.09E-02	4.06E-02	4.06E-02	0.00E+00	1.85E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.71E-03	7.72E-03	7.72E-03	7.72E-03	7.72E-03	7.72E-03	1.40E-05	2.96E-06	0.00E+00	0.00E+00	7.70E-03
North Carolina	Granville County	37077	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.14E-02	6.14E-02	6.19E-02	4.25E-06	2.30E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Granville County	37077	R	Ethylene Oxide	4.32E-05	4.32E-05	2.45E-04	4.25E-04	4.01E-04	5.25E-04	8.03E-04	8.03E-04	9.88E-05	3.03E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Formaldehyde	3.46E-01	3.46E-01	4.51E-01	4.91E-01	5.29E-01	5.56E-01	8.70E-01	8.70E-01	1.17E-02	5.33E-02	1.76E-01	3.80E-02	2.50E-01
North Carolina	Granville County	37077	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.34E-05	9.34E-05	9.36E-05	9.36E-05	9.47E-05	9.47E-05	0.00E+00	5.81E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Granville County	37077	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	7.42E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Granville County	37077	R	Hexamethylene Diisocyanate	7.40E-06	7.40E-06	7.96E-06	8.55E-06	1.01E-05	9.97E-06	1.95E-05	1.95E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Hydrazine	6.00E-09	6.00E-09	9.04E-09	4.29E-08	7.62E-07	1.52E-06	3.45E-06	3.45E-06	0.00E+00	7.62E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Lead Compounds	1.61E-04	1.61E-04	2.95E-04	4.43E-04	5.58E-04	9.21E-04	1.09E-03	1.09E-03	7.58E-05	2.70E-04	0.00E+00	2.12E-04	0.00E+00
North Carolina	Granville County	37077	R	Manganese Compounds	1.65E-04	1.65E-04	2.48E-04	2.76E-04	2.73E-04	3.23E-04	3.51E-04	3.51E-04	1.56E-04	1.10E-04	6.77E-06	4.93E-07	0.00E+00
North Carolina	Granville County	37077	R	Mercury Compounds	1.54E-03	1.54E-03	1.54E-03	1.59E-03	1.59E-03	1.60E-03	1.66E-03	1.66E-03	4.46E-05	6.51E-06	3.08E-05	4.12E-06	1.50E-03
North Carolina	Granville County	37077	R	Methylene Chloride	1.72E-01	1.72E-01	1.84E-01	2.03E-01	2.34E-01	2.53E-01	3.86E-01	3.86E-01	5.63E-03	7.81E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Granville County	37077	R	Nickel Compounds	1.26E-04	1.26E-04	1.40E-04	1.58E-04	1.69E-04	1.93E-04	2.61E-04	2.61E-04	9.82E-05	5.36E-05	1.61E-05	7.85E-07	0.00E+00
North Carolina	Granville County	37077	R	Perchloroethylene	1.49E-01	1.49E-01	1.57E-01	1.63E-01	1.63E-01	1.71E-01	1.76E-01	1.76E-01	5.09E-04	2.26E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Granville County	37077	R	Polychlorinated Biphenyls	4.01E-04	4.01E-04	4.21E-04	4.22E-04	4.45E-04	4.43E-04	5.70E-04	5.70E-04	0.00E+00	6.49E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Granville County	37077	R	Polycyclic Organic Matter	1.03E-02	1.03E-02	1.62E-02	2.00E-02	2.33E-02	2.31E-02	5.14E-02	5.14E-02	1.66E-04	1.51E-02	7.46E-03	6.61E-04	0.00E+00
North Carolina	Granville County	37077	R	7-PAH	6.60E-04	6.60E-04	7.90E-04	8.56E-04	1.01E-03	1.06E-03	1.93E-03	1.93E-03	2.79E-10	9.47E-04	5.03E-05	7.87E-06	0.00E+00
North Carolina	Granville County	37077	R	Propylene Dichloride	1.23E-05	1.23E-05	1.42E-05	3.21E-05	1.12E-04	1.93E-04	4.29E-04	4.29E-04	3.34E-07	1.12E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Quinoline	1.71E-07	1.71E-07	2.00E-07	5.60E-07	2.69E-06	5.10E-06	1.03E-05	1.03E-05	0.00E+00	2.69E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	1,1,2,2-Tetrachloroethane	8.88E-05	8.88E-05	1.02E-04	2.41E-04	7.96E-04	9.06E-04	3.74E-03	3.74E-03	3.06E-06	7.93E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Granville County	37077	R	Trichloroethylene	8.22E-02	8.22E-02	8.53E-02	8.70E-02	9.49E-02	9.68E-02	1.39E-01	1.39E-01	1.54E-05	1.38E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Granville County	37077	R	Vinyl Chloride	3.84E-04	3.84E-04	1.25E-03	1.48E-03	3.51E-03	7.19E-03	9.78E-03	9.78E-03	7.54E-06	3.50E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	Acetaldehyde	3.95E-01	3.95E-01	3.95E-01	5.83E-01	9.77E-01	1.94E+00	1.94E+00	1.94E+00	8.73E-01	4.59E-03	8.67E-02	1.31E-02	0.00E+00
North Carolina	Greene County	37079	R	Acrolein	1.93E-01	1.93E-01	1.93E-01	2.83E-01</									

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**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Greene County	37079	R	Carbon Disulfide	4.87E-02	4.87E-02	4.87E-02	4.87E-02	4.89E-02	4.93E-02	4.93E-02	4.93E-02	1.58E-04	1.75E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Greene County	37079	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	7.24E-06	9.31E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Greene County	37079	R	Chloroform	9.74E-02	9.74E-02	9.74E-02	1.06E-01	1.05E-01	1.12E-01	1.12E-01	1.12E-01	1.83E-02	4.05E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Greene County	37079	R	Chromium Compounds (includes Hexavalent)	4.50E-03	4.50E-03	4.50E-03	6.65E-03	1.22E-02	2.56E-02	2.56E-02	2.56E-02	1.22E-02	5.44E-05	7.78E-06	1.96E-07	0.00E+00
North Carolina	Greene County	37079	R	Chromium VI	1.52E-03	1.52E-03	1.52E-03	2.26E-03	4.15E-03	8.67E-03	8.67E-03	8.67E-03	4.13E-03	2.02E-05	3.11E-06	6.67E-08	0.00E+00
North Carolina	Greene County	37079	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 Carolina	Greene County	37079	R	1,4-Dichlorobenzene	5.87E-03	5.87E-03	5.87E-03	6.32E-03	6.46E-03	7.20E-03	7.20E-03	7.20E-03	3.62E-05	6.43E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	1,3-Dichloropropene	1.13E-02	1.13E-02	1.13E-02	1.20E-02	1.24E-02	1.39E-02	1.39E-02	1.39E-02	0.00E+00	1.24E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	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	4.22E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Greene County	37079	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	1.16E-04	5.86E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Greene County	37079	R	Ethylene Oxide	1.77E-03	1.77E-03	1.77E-03	2.28E-03	2.88E-03	4.58E-03	4.58E-03	4.58E-03	2.73E-03	1.47E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	Formaldehyde	1.47E+00	1.47E+00	1.47E+00	2.38E+00	3.81E+00	7.58E+00	7.58E+00	7.58E+00	3.43E+00	3.40E-02	6.91E-02	2.38E-02	2.50E-01
North Carolina	Greene County	37079	R	Hexachlorobenzene	9.35E-05	9.35E-05	9.35E-05	9.36E-05	9.36E-05	9.38E-05	9.38E-05	9.38E-05	1.28E-07	5.14E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Greene County	37079	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.45E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Greene County	37079	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 Carolina	Greene County	37079	R	Hydrazine	4.58E-09	4.58E-09	4.58E-09	9.02E-09	1.14E-08	2.06E-08	2.06E-08	2.06E-08	0.00E+00	1.14E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	Lead Compounds	9.43E-03	9.43E-03	9.43E-03	1.38E-02	2.53E-02	5.25E-02	5.25E-02	5.25E-02	2.50E-02	1.82E-05	0.00E+00	1.80E-04	0.00E+00
North Carolina	Greene County	37079	R	Manganese Compounds	4.31E-04	4.31E-04	4.31E-04	5.13E-04	6.63E-04	1.04E-03	1.04E-03	1.04E-03	5.13E-04	1.46E-04	2.38E-06	3.47E-07	0.00E+00
North Carolina	Greene County	37079	R	Mercury Compounds	1.59E-03	1.59E-03	1.59E-03	1.62E-03	1.67E-03	1.80E-03	1.80E-03	1.80E-03	1.53E-04	3.38E-06	1.21E-05	3.36E-06	1.50E-03
North Carolina	Greene County	37079	R	Methylene Chloride	2.25E-01	2.25E-01	2.25E-01	2.26E-01	2.32E-01	2.45E-01	2.45E-01	2.45E-01	5.45E-02	2.75E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Greene County	37079	R	Nickel Compounds	6.97E-04	6.97E-04	6.97E-04	9.64E-04	1.69E-03	3.40E-03	3.40E-03	3.40E-03	1.64E-03	3.70E-05	5.78E-06	1.27E-06	0.00E+00
North Carolina	Greene County	37079	R	Perchloroethylene	1.49E-01	1.49E-01	1.49E-01	1.53E-01	1.52E-01	1.53E-01	1.53E-01	1.53E-01	7.59E-05	1.16E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Greene County	37079	R	Polychlorinated Biphenyls	4.20E-04	4.20E-04	4.20E-04	4.23E-04	4.32E-04	4.54E-04	4.54E-04	4.54E-04	4.05E-06	4.83E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Greene County	37079	R	Polycyclic Organic Matter	4.05E-02	4.05E-02	4.05E-02	5.01E-02	7.78E-02	1.43E-01	1.43E-01	1.43E-01	6.42E-02	1.04E-02	2.74E-03	3.66E-04	0.00E+00
North Carolina	Greene County	37079	R	7-PAH	5.84E-04	5.84E-04	5.84E-04	7.06E-04	7.12E-04	8.46E-04	8.46E-04	8.46E-04	9.01E-07	6.89E-04	1.89E-05	2.88E-06	0.00E+00
North Carolina	Greene County	37079	R	Propylene Dichloride	2.36E-05	2.36E-05	2.36E-05	3.00E-05	3.44E-05	4.96E-05	4.96E-05	4.96E-05	7.93E-06	6.65E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	Quinoline	1.40E-07	1.40E-07	1.40E-07	2.33E-07	2.78E-07	4.60E-07	4.60E-07	4.60E-07	0.00E+00	2.78E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	1,1,2,2-Tetrachloroethane	9.98E-05	9.98E-05	9.98E-05	1.12E-04	1.85E-04	3.42E-04	3.42E-04	3.42E-04	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Greene County	37079	R	Trichloroethylene	8.34E-02	8.34E-02	8.34E-02	8.40E-02	8.39E-02	8.43E-02	8.43E-02	8.43E-02	7.19E-05	2.82E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Greene County	37079	R	Vinyl Chloride	2.63E-04	2.63E-04	2.63E-04	2.87E-04	4.68E-04	8.53E-04	8.53E-04	8.53E-04	3.13E-06	4.64E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Acetaldehyde	2.96E-01	3.40E-01	4.66E-01	5.65E-01	6.65E-01	6.40E-01	1.23E+00	1.70E+00	6.66E-03	7.29E-02	4.90E-01	9.63E-02	0.00E+00
North Carolina	Guilford County	37081	U	Acrolein	5.32E-02	5.95E-02	7.44E-02	8.76E-02	8.77E-02	9.51E-02	1.23E-01	1.39E-01	8.68E-04	1.10E-02	6.17E-02	1.41E-02	0.00E+00
North Carolina	Guilford County	37081	U	Acrylonitrile	2.71E-04	3.59E-04	4.29E-04	4.81E-04	6.42E-04	5.79E-04	8.41E-04	1.10E-03	2.68E-04	3.74E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Arsenic Compounds	7.56E-05	1.07E-04	1.37E-04	1.67E-04	1.77E-04	1.96E-04	2.80E-04	3.33E-04	5.21E-05	4.41E-05	6.27E-05	1.80E-05	0.00E+00
North Carolina	Guilford County	37081	U	Benzene	9.29E-01	1.02E+00	1.23E+00	1.39E+00	1.61E+00	1.60E+00	2.68E+00	3.71E+00	7.50E-03	1.21E-01	8.16E-01	1.80E-01	4.80E-01
North Carolina	Guilford County	37081	U	Benzidine	0.00E+00	0.00E+00	7.72E-07	1.12E-06	1.12E-06	1.43E-06	1.69E-06	2.39E-06	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Beryllium Compounds	4.17E-05	5.24E-05	6.37E-05	7.44E-05	1.04E-04	9.56E-05	2.25E-04	3.11E-04	6.84E-06	9.65E-05	0.00E+00	6.22E-07	0.00E+00
North Carolina	Guilford County	37081	U	1,3-Butadiene	1.54E-02	2.38E-02	3.23E-02	4.64E-02	7.75E-02	7.29E-02	2.02E-01	3.24E-01	6.41E-05	7.33E-04	5.65E-02	2.02E-02	0.00E+00
North Carolina	Guilford County	37081	U	Cadmium Compounds	8.44E-04	1.13E-03	1.39E-03	1.80E-03	7.39E-03	3.32E-03	1.31E-02	3.36E-02	7.37E-03	2.43E-05	0.00E+00	6.20E-07	0.00E+00
North Carolina	Guilford County	37081	U	Carbon Disulfide	4.78E-02	4.88E-02	4.97E-02	5.15E-02	5.20E-02	5.28E-02	5.41E-02	5.57E-02	3.58E-03	1.41E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Guilford County	37081	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	2.95E-06	3.27E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Guilford County	37081	U	Chloroform	9.60E-02	9.82E-02	1.11E-01	1.18E-01	1.18E-01	1.25E-01	1.32E-01	1.36E-01	1.29E-05	3.50E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Guilford County	37081	U	Chromium Compounds (includes Hexavalent)	4.16E-04	5.49E-04	7.51E-04	9.68E-04	1.26E-03	1.29E-03	2.49E-03	3.17E-03	5.98E-04	6.06E-04	5.45E-05	2.76E-06	0.00E+00
North Carolina	Guilford County	37081	U	Chromium VI	2.44E-04	3.06E-04	4.17E-04	5.35E-04	7.19E-04	7.70E-04	1.40E-03	1.87E-03	3.58E-04	3.38E-04	2.18E-05	9.39E-07	0.00E+00
North Carolina	Guilford County	37081	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 Carolina	Guilford County	37081	U	1,4-Dichlorobenzene	1.53E-02	1.81E-02	2.99E-02	3.52E-02	3.42E-02	3.95E-02	4.71E-02	5.04E-02	2.56E-05	3.42E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	1,3-Dichloropropene	2.63E-02	3.07E-02	5.86E-02	6.77E-02	6.51E-02	7.68E-02	9.01E-02	9.46E-02	0.00E+00	6.51E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	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	1.53E-07	1.68E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Guilford County	37081	U	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	3.44E-05	5.68E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Guilford County	37081	U	Ethylene Oxide	4.65E-04	5.71E-04	8.16E-04	1.47E-03	2.71E-03	2.79E-03	6.14E-03	1.01E-02	1.14E-05	2.70E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Formaldehyde	5.37E-01	6.23E-01	7.07E-01	8.01E-01	9.01E-01	9.34E-01	1.41E+00	1.93E+00	4.61E-02	4.94E-02	3.88E-01	1.68E-01	2.50E-01
North Carolina	Guilford County	37081	U	Hexachlorobenzene	9.34E-05	9.35E-05	9.37E-05	9.38E-05	9.38E-05	9.39E-05	9.41E-05	9.41E-05	7.33E-10	8.01E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Guilford County	37081	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	1.72E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Guilford County	37081	U	Hexamethylene Diisocyanate	2.93E-05	3.24E-05	8.97E-05	1.40E-04	1.41E-04	1.92E-04	2.25E-04	2.35E-04	9.63E-05	4.43E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Hydrazine	9.59E-10	1.03E-09	1.89E-09	1.51E-08	1.17E-08	1.93E-08	2.35E-08	2.61E-08	1.04E-08	1.32E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Lead Compounds	5.90E-04	8.17E-04	1.08E-03	1.37E-03	2.22E-03	1.86E-03	3.42E-03	4.72E-03	9.68E-04	4.11E-04	0.00E+00	8.39E-04	0.00E+00
North Carolina	Guil																

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Guilford County	37081	U	Propylene Dichloride	2.90E-05	4.19E-05	4.97E-05	6.71E-05	8.52E-05	8.70E-05	1.35E-04	1.93E-04	1.73E-05	6.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Quinoline	3.48E-07	4.70E-07	5.55E-07	6.95E-07	1.95E-06	1.29E-06	5.05E-06	8.33E-06	0.00E+00	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	1,1,2,2-Tetrachloroethane	1.43E-04	1.81E-04	2.16E-04	2.51E-04	3.17E-04	3.01E-04	4.75E-04	9.01E-04	1.48E-04	1.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Guilford County	37081	U	Trichloroethylene	9.28E-02	9.59E-02	1.07E-01	1.17E-01	1.27E-01	1.30E-01	1.48E-01	1.85E-01	2.91E-04	4.59E-02	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Guilford County	37081	U	Vinyl Chloride	4.13E-04	6.23E-04	6.94E-04	8.31E-04	9.48E-04	9.57E-04	1.32E-03	1.60E-03	3.65E-04	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Acetaldehyde	7.73E-02	1.00E-01	1.18E-01	2.13E-01	3.18E-01	6.03E-01	7.66E-01	1.67E-01	1.82E-02	1.23E-01	1.02E-01	1.02E-02	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Acrolein	1.33E-02	1.46E-02	1.64E-02	2.40E-02	2.74E-02	3.38E-02	4.53E-02	6.34E-02	1.67E-03	7.01E-03	1.73E-02	1.41E-03	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Acrylonitrile	4.20E-05	4.42E-05	4.72E-05	7.99E-05	1.48E-04	2.31E-04	2.55E-04	4.87E-04	0.00E+00	1.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Arsenic Compounds	1.07E-05	1.14E-05	1.52E-05	2.63E-05	3.92E-05	5.37E-05	7.28E-05	1.25E-04	3.11E-06	8.97E-06	2.40E-05	3.08E-06	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Benzene	5.87E-01	5.91E-01	6.12E-01	7.24E-01	8.63E-01	9.51E-01	1.27E+00	1.97E+00	1.18E-03	6.67E-02	2.97E-01	1.81E-02	4.80E-01	4.80E-01
North Carolina	Halifax County	37083	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 Carolina	Halifax County	37083	R	Beryllium Compounds	2.02E-05	2.59E-05	2.66E-05	2.89E-05	3.86E-05	5.36E-05	5.90E-05	8.93E-05	3.58E-05	1.92E-06	0.00E+00	8.12E-07	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	1,3-Butadiene	3.34E-03	4.28E-03	5.15E-03	1.21E-02	2.99E-02	3.19E-02	7.29E-02	1.55E-01	0.00E+00	1.47E-03	2.70E-02	1.50E-03	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Cadmium Compounds	9.79E-06	1.43E-05	1.43E-05	1.81E-05	2.07E-05	2.59E-05	2.67E-05	4.08E-05	1.57E-05	4.22E-06	0.00E+00	8.11E-07	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Carbon Disulfide	4.72E-02	4.75E-02	4.76E-02	4.79E-02	4.83E-02	4.87E-02	4.97E-02	5.07E-02	3.14E-06	1.29E-03	0.00E+00	0.00E+00	4.70E-02	4.70E-02
North Carolina	Halifax County	37083	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	7.73E-08	1.38E-04	0.00E+00	0.00E+00	8.80E-01	8.80E-01
North Carolina	Halifax County	37083	R	Chloroform	8.54E-02	8.57E-02	8.57E-02	8.76E-02	9.40E-02	1.10E-01	1.11E-01	1.14E-01	2.77E-03	8.22E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Halifax County	37083	R	Chromium Compounds (includes Hexavalent)	3.63E-04	4.28E-04	4.50E-04	4.97E-04	6.63E-04	9.41E-04	1.03E-03	1.59E-03	6.26E-04	1.82E-05	1.83E-05	3.89E-07	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Chromium VI	3.58E-04	4.08E-04	4.23E-04	4.56E-04	6.41E-04	9.25E-04	1.02E-03	1.55E-03	6.23E-04	1.09E-05	7.30E-06	1.32E-07	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	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 Carolina	Halifax County	37083	R	1,4-Dichlorobenzene	2.80E-03	3.08E-03	3.13E-03	4.26E-03	9.25E-03	1.65E-02	1.93E-02	2.96E-02	9.42E-10	9.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	1,3-Dichloropropene	5.27E-03	5.84E-03	5.97E-03	8.35E-03	1.86E-02	3.34E-02	3.93E-02	6.02E-02	0.00E+00	1.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.57E-08	1.25E-07	0.00E+00	0.00E+00	7.70E-03	7.70E-03
North Carolina	Halifax County	37083	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	1.47E-06	1.62E-05	0.00E+00	0.00E+00	6.10E-02	6.10E-02
North Carolina	Halifax County	37083	R	Ethylene Oxide	3.32E-05	4.73E-05	7.56E-05	7.87E-05	1.80E-04	2.23E-04	4.78E-04	5.84E-04	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Formaldehyde	3.51E-01	3.52E-01	3.68E-01	4.21E-01	4.74E-01	4.87E-01	6.53E-01	9.00E-01	1.96E-02	5.06E-02	1.35E-01	1.92E-02	2.50E-01	2.50E-01
North Carolina	Halifax County	37083	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.35E-05	9.36E-05	9.39E-05	9.42E-05	9.43E-05	9.62E-05	1.46E-09	8.81E-07	0.00E+00	0.00E+00	9.30E-05	9.30E-05
North Carolina	Halifax County	37083	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	7.95E-08	0.00E+00	0.00E+00	1.80E-03	1.80E-03
North Carolina	Halifax County	37083	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 Carolina	Halifax County	37083	R	Hydrazine	9.99E-10	1.10E-09	1.12E-09	2.90E-09	2.33E-08	3.57E-08	4.51E-08	1.57E-07	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Lead Compounds	1.24E-04	1.59E-04	1.84E-04	4.65E-04	7.42E-04	1.26E-03	1.40E-03	2.53E-03	1.31E-05	2.29E-04	0.00E+00	5.00E-04	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Manganese Compounds	7.05E-04	8.26E-04	8.72E-04	9.45E-04	1.41E-03	2.39E-03	3.38E-03	7.14E-05	1.33E-03	6.06E-06	3.33E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Mercury Compounds	1.51E-03	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.55E-03	1.57E-03	1.62E-03	8.73E-06	4.33E-06	2.51E-05	3.41E-06	1.50E-03	1.50E-03
North Carolina	Halifax County	37083	R	Methylene Chloride	1.59E-01	1.61E-01	1.64E-01	1.68E-01	1.95E-01	2.08E-01	2.84E-01	3.23E-01	2.90E-04	4.50E-02	0.00E+00	0.00E+00	1.50E-01	1.50E-01
North Carolina	Halifax County	37083	R	Nickel Compounds	2.09E-05	2.95E-05	3.39E-05	5.06E-05	5.63E-05	5.67E-05	1.12E-04	1.24E-04	4.63E-06	3.73E-05	1.37E-05	6.20E-07	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Perchloroethylene	1.45E-01	1.46E-01	1.46E-01	1.51E-01	1.55E-01	1.64E-01	1.65E-01	1.71E-01	1.25E-06	1.47E-02	0.00E+00	0.00E+00	1.40E-01	1.40E-01
North Carolina	Halifax County	37083	R	Polychlorinated Biphenyls	3.97E-04	3.99E-04	4.02E-04	4.14E-04	4.36E-04	4.55E-04	5.08E-04	5.20E-04	1.27E-10	5.59E-05	0.00E+00	0.00E+00	3.80E-04	3.80E-04
North Carolina	Halifax County	37083	R	Polycyclic Organic Matter	6.18E-03	7.38E-03	8.22E-03	1.27E-02	1.98E-02	3.58E-02	5.63E-02	1.66E-06	1.30E-02	6.32E-04	5.25E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	7-PAH	3.79E-04	4.52E-04	5.88E-04	6.51E-04	8.32E-04	1.13E-03	1.30E-03	1.67E-03	3.10E-09	7.84E-04	4.22E-05	5.62E-06	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Propylene Dichloride	2.36E-06	2.40E-06	2.57E-06	4.47E-06	8.27E-06	1.12E-05	1.53E-05	2.99E-05	9.32E-08	8.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Quinoline	1.32E-08	1.32E-08	1.49E-08	3.52E-08	8.59E-08	1.19E-07	1.41E-07	4.21E-07	0.00E+00	8.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	1,1,2,2-Tetrachloroethane	1.57E-05	1.83E-05	1.87E-05	2.17E-05	5.58E-05	5.65E-05	1.33E-04	2.65E-04	0.00E+00	5.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Halifax County	37083	R	Trichloroethylene	8.17E-02	8.20E-02	8.23E-02	8.32E-02	8.67E-02	8.64E-02	9.99E-02	1.05E-01	8.52E-08	5.68E-03	0.00E+00	0.00E+00	8.10E-02	8.10E-02
North Carolina	Halifax County	37083	R	Vinyl Chloride	3.93E-05	4.57E-05	4.72E-05	5.87E-05	1.37E-04	1.21E-04	3.29E-04	6.35E-04	3.67E-08	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Acetaldehyde	1.70E-01	1.73E-01	2.12E-01	2.96E-01	3.95E-01	3.24E-01	9.05E-01	9.55E-01	3.34E-02	1.27E-02	3.21E-01	2.85E-02	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Acrolein	2.74E-02	2.75E-02	3.49E-02	4.43E-02	5.06E-02	4.88E-02	9.30E-02	9.38E-02	2.97E-04	8.31E-03	3.79E-02	4.16E-03	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Acrylonitrile	1.17E-04	1.83E-04	2.49E-04	3.45E-04	3.61E-04	3.81E-04	5.68E-04	9.44E-04	1.59E-05	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Arsenic Compounds	7.34E-05	7.90E-05	8.93E-05	1.09E-04	1.26E-04	1.56E-04	1.88E-04	2.12E-04	4.20E-05	3.85E-05	4.07E-05	4.70E-06	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Benzene	6.87E-01	7.09E-01	7.62E-01	8.67E-01	1.06E+00	9.42E-01	1.95E+00	2.03E+00	1.94E-04	9.50E-02	4.47E-01	4.15E-02	4.80E-01	4.80E-01
North Carolina	Harnett County	37085	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 Carolina	Harnett County	37085	R	Beryllium Compounds	5.39E-06	5.43E-06	8.40E-06	9.83E-06	1.15E-05	1.75E-05	1.87E-05	2.00E-05	5.98E-06	4.80E-06	0.00E+00	7.37E-07	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	1,3-Butadiene	6.38E-03	7.12E-03	8.04E-03	1.09E-02	3.33E-02	1.41E-02	1.20E-01	1.29E-01	3.43E-06	1.35E-03	2.90E-02	2.89E-03	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Cadmium Compounds	4.78E-06	5.03E-06	5.96E-06	7.38E-06	8.60E-06	1.24E-05	1.44E-05	1.45E-05	2.50E-06	5.36E-06	0.00E+00	7.35E-07	0.00E+00	0.00E+00
North Carolina	Harnett County	3																

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Harnett County	37085	R	Formaldehyde	4.69E-01	4.69E-01	4.99E-01	5.56E-01	6.41E-01	5.64E-01	1.06E+00	1.10E+00	4.87E-02	4.36E-02	2.51E-01	4.80E-02	2.50E-01
North Carolina	Harnett County	37085	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.37E-05	9.38E-05	9.41E-05	9.46E-05	9.47E-05	5.81E-08	7.35E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Harnett County	37085	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	1.46E-07	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Harnett County	37085	R	Hexamethylene Diisocyanate	5.44E-06	6.02E-06	6.59E-06	7.68E-06	9.41E-06	9.58E-06	1.44E-05	2.61E-05	5.53E-06	3.88E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Hydrazine	2.96E-09	3.59E-09	4.40E-09	5.15E-09	7.71E-09	8.87E-09	1.41E-08	2.70E-08	0.00E+00	7.71E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Lead Compounds	1.56E-04	1.63E-04	2.15E-04	2.99E-04	3.81E-04	3.70E-04	6.16E-04	1.38E-03	1.25E-05	2.81E-04	0.00E+00	8.74E-05	0.00E+00
North Carolina	Harnett County	37085	R	Manganese Compounds	1.88E-04	2.02E-04	2.41E-04	3.01E-04	3.37E-04	4.68E-04	5.56E-04	5.79E-04	5.65E-05	2.71E-04	9.01E-06	5.35E-07	0.00E+00
North Carolina	Harnett County	37085	R	Mercury Compounds	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.57E-03	1.55E-03	1.66E-03	1.68E-03	1.29E-05	8.47E-06	4.47E-05	4.64E-06	1.50E-03
North Carolina	Harnett County	37085	R	Methylene Chloride	1.72E-01	1.73E-01	1.78E-01	1.94E-01	2.04E-01	2.10E-01	2.58E-01	2.81E-01	8.27E-04	5.33E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Harnett County	37085	R	Nickel Compounds	8.82E-05	1.10E-04	1.21E-04	1.54E-04	2.18E-04	3.16E-04	3.81E-04	5.64E-04	4.75E-05	1.49E-04	2.13E-05	9.32E-07	0.00E+00
North Carolina	Harnett County	37085	R	Perchloroethylene	1.47E-01	1.49E-01	1.54E-01	1.56E-01	1.56E-01	1.58E-01	1.61E-01	1.66E-01	1.25E-04	1.60E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Harnett County	37085	R	Polychlorinated Biphenyls	4.11E-04	4.12E-04	4.19E-04	4.53E-04	4.65E-04	5.01E-04	5.57E-04	5.71E-04	2.90E-07	8.47E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Harnett County	37085	R	Polycyclic Organic Matter	2.08E-02	2.22E-02	2.41E-02	2.82E-02	3.32E-02	3.26E-02	5.38E-02	6.71E-02	2.82E-03	1.98E-02	9.77E-03	7.56E-04	0.00E+00
North Carolina	Harnett County	37085	R	7-PAH	8.11E-04	8.55E-04	9.30E-04	1.09E-03	1.20E-03	1.40E-03	1.63E-03	2.02E-03	1.72E-10	1.12E-03	6.95E-05	8.76E-06	0.00E+00
North Carolina	Harnett County	37085	R	Propylene Dichloride	8.74E-06	1.15E-05	1.49E-05	1.58E-05	1.98E-05	2.05E-05	3.25E-05	5.74E-05	1.04E-06	1.88E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Quinoline	1.12E-07	1.30E-07	1.66E-07	1.90E-07	2.03E-07	2.29E-07	3.14E-07	3.50E-07	0.00E+00	2.03E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	1,1,2,2-Tetrachloroethane	4.20E-05	7.87E-05	1.05E-04	1.17E-04	1.51E-04	1.56E-04	2.58E-04	4.92E-04	8.72E-06	1.42E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Harnett County	37085	R	Trichloroethylene	8.34E-02	8.34E-02	8.47E-02	8.57E-02	8.77E-02	8.74E-02	9.69E-02	1.01E-01	5.15E-05	6.67E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Harnett County	37085	R	Vinyl Chloride	1.15E-04	2.03E-04	2.63E-04	2.95E-04	3.79E-04	3.92E-04	6.42E-04	1.22E-03	2.15E-05	3.58E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Acetaldehyde	7.34E-02	7.43E-02	1.24E-01	1.54E-01	6.86E-01	2.83E-01	3.37E+00	3.52E+00	5.57E-01	1.22E-02	1.06E-01	1.12E-02	0.00E+00
North Carolina	Haywood County	37087	R	Acrolein	2.52E-02	2.61E-02	3.18E-02	3.56E-02	5.05E-02	3.73E-02	1.32E-01	1.55E-01	1.77E-02	1.22E-02	1.80E-02	2.59E-03	0.00E+00
North Carolina	Haywood County	37087	R	Acrylonitrile	6.05E-05	6.47E-05	1.33E-04	2.12E-04	3.25E-04	2.86E-04	8.25E-04	1.35E-03	1.42E-04	1.83E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Arsenic Compounds	2.46E-05	2.52E-05	3.52E-05	6.05E-05	1.49E-04	1.45E-04	1.91E-04	9.94E-04	1.16E-04	6.11E-06	3.21E-05	3.74E-06	0.00E+00
North Carolina	Haywood County	37087	R	Benzene	7.09E-01	7.26E-01	7.68E-01	8.46E-01	8.70E-01	9.93E-01	1.04E+00	1.07E+00	2.32E-03	1.18E-01	2.30E-01	3.98E-02	4.80E-01
North Carolina	Haywood County	37087	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 Carolina	Haywood County	37087	R	Beryllium Compounds	1.32E-06	2.22E-06	3.49E-06	6.25E-06	9.34E-06	8.53E-06	1.51E-05	4.59E-05	7.09E-06	2.15E-06	0.00E+00	9.91E-08	0.00E+00
North Carolina	Haywood County	37087	R	1,3-Butadiene	7.77E-03	8.63E-03	1.62E-02	2.00E-02	2.34E-02	3.23E-02	3.73E-02	4.62E-02	1.34E-04	3.28E-03	1.67E-02	3.21E-03	0.00E+00
North Carolina	Haywood County	37087	R	Cadmium Compounds	2.24E-06	3.50E-06	4.21E-06	1.07E-05	5.35E-05	4.92E-05	8.23E-05	4.35E-04	4.99E-05	3.49E-06	0.00E+00	9.87E-08	0.00E+00
North Carolina	Haywood County	37087	R	Carbon Disulfide	4.78E-02	4.82E-02	4.85E-02	4.96E-02	5.46E-02	5.42E-02	5.85E-02	9.59E-02	5.77E-03	1.81E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Haywood County	37087	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.89E-01	8.88E-01	8.98E-01	9.50E-01	8.54E-03	1.70E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Haywood County	37087	R	Chloroform	8.71E-02	8.85E-02	8.94E-02	9.45E-02	2.35E-01	1.53E-01	9.28E-01	9.53E-01	1.47E-01	4.66E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Haywood County	37087	R	Chromium Compounds (includes Hexavalent)	1.00E-04	1.20E-04	1.53E-04	2.07E-04	2.88E-04	2.96E-04	3.26E-04	1.28E-03	2.25E-04	4.79E-05	1.48E-05	4.76E-07	0.00E+00
North Carolina	Haywood County	37087	R	Chromium VI	7.72E-05	8.57E-05	1.34E-04	1.45E-04	1.90E-04	1.48E-04	3.20E-04	5.69E-04	1.40E-04	4.47E-05	5.88E-06	1.62E-07	0.00E+00
North Carolina	Haywood County	37087	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 Carolina	Haywood County	37087	R	1,4-Dichlorobenzene	3.99E-03	4.99E-03	8.17E-03	1.08E-02	1.09E-02	1.35E-02	1.66E-02	2.18E-02	1.71E-08	1.09E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	1,3-Dichloropropene	7.66E-03	9.85E-03	1.63E-02	2.15E-02	2.19E-02	2.71E-02	3.35E-02	4.40E-02	0.00E+00	2.19E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	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-09	3.68E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Haywood County	37087	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.19E-02	6.18E-02	6.30E-02	6.74E-02	8.25E-04	2.98E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Haywood County	37087	R	Ethylene Oxide	5.77E-05	8.18E-05	1.15E-04	1.29E-04	2.29E-04	2.73E-04	5.23E-04	7.99E-04	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Formaldehyde	3.61E-01	3.79E-01	4.21E-01	4.53E-01	5.02E-01	4.68E-01	8.13E-01	8.51E-01	6.13E-02	5.02E-02	1.16E-01	2.46E-02	2.50E-01
North Carolina	Haywood County	37087	R	Hexachlorobenzene	9.33E-05	9.34E-05	9.36E-05	9.38E-05	9.39E-05	9.40E-05	9.44E-05	9.45E-05	6.81E-08	8.05E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Haywood County	37087	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	9.05E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Haywood County	37087	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	1.38E-06	2.23E-05	1.71E-05	2.43E-05	2.86E-05	3.51E-05	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Hydrazine	2.34E-09	2.40E-09	2.81E-09	4.96E-09	8.19E-08	3.32E-08	8.71E-08	8.54E-07	9.07E-11	8.19E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Lead Compounds	1.90E-05	4.43E-05	5.82E-05	1.22E-04	3.72E-04	3.90E-04	4.93E-04	2.75E-03	3.08E-04	2.91E-05	0.00E+00	3.52E-05	0.00E+00
North Carolina	Haywood County	37087	R	Manganese Compounds	1.52E-04	2.26E-04	2.42E-04	4.97E-04	1.17E-03	1.08E-03	1.60E-03	8.42E-03	1.08E-03	7.93E-05	4.79E-06	3.91E-07	0.00E+00
North Carolina	Haywood County	37087	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.36E-06	5.65E-06	2.62E-05	3.04E-06	1.50E-03
North Carolina	Haywood County	37087	R	Methylene Chloride	1.66E-01	1.70E-01	1.81E-01	1.87E-01	2.02E-01	2.13E-01	2.23E-01	3.35E-01	8.64E-04	5.15E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Haywood County	37087	R	Nickel Compounds	3.93E-05	6.32E-05	8.89E-05	1.16E-04	2.70E-04	2.46E-04	3.49E-04	1.71E-03	1.97E-04	6.11E-05	1.11E-05	6.66E-07	0.00E+00
North Carolina	Haywood County	37087	R	Perchloroethylene	1.47E-01	1.47E-01	1.60E-01	1.62E-01	1.66E-01	1.70E-01	1.83E-01	1.95E-01	2.09E-03	2.38E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Haywood County	37087	R	Polychlorinated Biphenyls	4.11E-04	4.24E-04	4.53E-04	4.62E-04	4.71E-04	4.97E-04	5.36E-04	5.38E-04	2.04E-07	9.08E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Haywood County	37087	R	Polycyclic Organic Matter	1.48E-02	1.60E-02	1.95E-02	2.59E-02	2.68E-02	3.20E-02	3.99E-02	4.03E-02	1.60E-04	2.11E-02	5.03E-03	5.03E-04	0.00E+00
North Carolina	Haywood County	37087	R	7-PAH	8.54E-04	1.01E-03	1.25E-03	1.50E-03	1.55E-03	1.98E-03	2.06E-03	2.19E-03	2.77E-09	1.51E-03	3.73E-05	5.16E-06	0.00E+00
North Carolina	Haywood County	37087	R	Propylene Dichloride	1.08E-05	1.16E-05	1.58E-05	1.77E-05	2.36E-05	2.77E-05	4.82E-05	5.49E-05	3.72E-06	1.99E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Quinoline	3.60E-08	8.97E-08	1.08E-07	1.62E-07	3.63E-07	2.60E-07	5.34E-07	2.38E-06	0.00E+00	6.36E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	1,1,2,2-Tetrachloroethane	7.01E-06	1.29E-05	1.76E-05	2.08E-05	6.29E-05	3.93E-05	1.30E-04	4.20E-04	0.00E+00	6.29E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Haywood County	37087	R	Trichloroethylene	8.29E-02	8.31E-02											

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Henderson County	37089	R	Beryllium Compounds	1.47E-05	2.25E-05	3.34E-05	4.26E-05	4.16E-05	5.00E-05	5.89E-05	6.91E-05	3.75E-05	3.91E-06	0.00E+00	2.26E-07	0.00E+00		
North Carolina	Henderson County	37089	R	1,3-Butadiene	9.84E-03	1.21E-02	1.76E-02	2.71E-02	3.41E-02	4.56E-02	6.90E-02	8.84E-02	5.04E-06	1.60E-03	2.38E-02	8.71E-03	0.00E+00		
North Carolina	Henderson County	37089	R	Cadmium Compounds	9.35E-06	1.59E-05	2.72E-05	3.63E-05	3.37E-05	4.26E-05	4.45E-05	4.91E-05	2.57E-05	7.78E-06	0.00E+00	2.25E-07	0.00E+00		
North Carolina	Henderson County	37089	R	Carbon Disulfide	4.80E-02	4.85E-02	4.92E-02	5.09E-02	5.07E-02	5.19E-02	5.30E-02	5.34E-02	1.80E-03	1.91E-03	0.00E+00	0.00E+00	4.70E-02		
North Carolina	Henderson County	37089	R	Carbon Tetrachloride	8.80E-01	8.81E-01	8.81E-01	8.83E-01	8.83E-01	8.84E-01	8.85E-01	8.85E-01	2.56E-03	2.87E-04	0.00E+00	0.00E+00	8.80E-01		
North Carolina	Henderson County	37089	R	Chloroform	9.72E-02	1.01E-01	1.15E-01	1.31E-01	1.29E-01	1.43E-01	1.50E-01	1.56E-01	1.71E-02	2.89E-02	0.00E+00	0.00E+00	8.30E-02		
North Carolina	Henderson County	37089	R	Chromium Compounds (includes Hexavalent)	3.08E-04	3.79E-04	4.01E-04	4.46E-04	4.42E-04	4.93E-04	5.08E-04	5.58E-04	2.08E-04	2.06E-04	2.68E-05	1.27E-06	0.00E+00		
North Carolina	Henderson County	37089	R	Chromium VI	1.56E-04	1.64E-04	2.12E-04	2.31E-04	2.27E-04	2.57E-04	2.68E-04	2.72E-04	1.21E-04	9.45E-05	1.07E-05	4.31E-07	0.00E+00		
North Carolina	Henderson County	37089	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 Carolina	Henderson County	37089	R	1,4-Dichlorobenzene	9.12E-03	9.71E-03	1.40E-02	2.04E-02	2.03E-02	2.39E-02	3.14E-02	3.49E-02	7.98E-07	2.03E-02	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	1,3-Dichloropropene	1.69E-02	1.78E-02	2.65E-02	3.98E-02	3.94E-02	4.69E-02	6.17E-02	6.88E-02	0.00E+00	3.94E-02	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.38E-08	4.73E-07	0.00E+00	0.00E+00	7.70E-03		
North Carolina	Henderson County	37089	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.13E-02	6.14E-02	6.15E-02	6.18E-02	2.38E-04	8.18E-05	0.00E+00	0.00E+00	6.10E-02		
North Carolina	Henderson County	37089	R	Ethylene Oxide	2.80E-04	2.94E-04	3.69E-04	5.23E-04	1.06E-03	8.59E-04	2.58E-03	4.92E-03	1.28E-07	1.06E-03	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	Formaldehyde	4.59E-01	5.02E-01	6.26E-01	7.20E-01	7.07E-01	8.00E-01	8.96E-01	1.00E+00	1.00E-01	4.45E-02	2.42E-01	6.99E-02	2.50E-01		
North Carolina	Henderson County	37089	R	Hexachlorobenzene	9.34E-05	9.35E-05	9.38E-05	9.45E-05	9.44E-05	9.48E-05	9.55E-05	9.56E-05	2.58E-08	1.42E-06	0.00E+00	0.00E+00	9.30E-05		
North Carolina	Henderson County	37089	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	1.58E-07	0.00E+00	0.00E+00	1.80E-03		
North Carolina	Henderson County	37089	R	Hexamethylene Diisocyanate	5.84E-07	6.51E-07	7.53E-07	9.15E-07	1.13E-06	1.25E-06	2.11E-06	2.59E-06	0.00E+00	1.13E-06	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	Hydrazine	1.81E-09	2.13E-09	2.81E-09	3.28E-09	4.05E-09	4.25E-09	6.30E-09	1.06E-08	0.00E+00	4.05E-09	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	Lead Compounds	3.88E-04	5.28E-04	7.69E-04	1.04E-03	1.14E-03	1.23E-03	1.64E-03	2.20E-03	1.94E-04	2.29E-04	0.00E+00	7.13E-04	0.00E+00		
North Carolina	Henderson County	37089	R	Manganese Compounds	2.29E-04	3.02E-04	5.12E-04	6.88E-04	7.11E-04	7.58E-04	9.39E-04	1.73E-03	4.80E-04	2.22E-04	8.40E-06	8.95E-07	0.00E+00		
North Carolina	Henderson County	37089	R	Mercury Compounds	1.54E-03	1.54E-03	1.56E-03	1.58E-03	1.58E-03	1.59E-03	1.62E-03	1.66E-03	1.80E-05	1.81E-05	4.07E-05	6.35E-06	1.50E-03		
North Carolina	Henderson County	37089	R	Methylene Chloride	1.78E-01	1.83E-01	2.00E-01	2.23E-01	2.44E-01	2.63E-01	3.42E-01	3.90E-01	1.23E-03	9.28E-02	0.00E+00	0.00E+00	1.50E-01		
North Carolina	Henderson County	37089	R	Nickel Compounds	1.31E-04	1.85E-04	2.81E-04	3.25E-04	3.69E-04	4.79E-04	6.18E-04	6.52E-04	1.48E-04	1.99E-04	2.00E-05	1.56E-06	0.00E+00		
North Carolina	Henderson County	37089	R	Perchloroethylene	1.54E-01	1.58E-01	1.63E-01	1.65E-01	1.67E-01	1.72E-01	1.78E-01	1.83E-01	4.62E-04	2.67E-02	0.00E+00	0.00E+00	1.40E-01		
North Carolina	Henderson County	37089	R	Polychlorinated Biphenyls	4.28E-04	4.34E-04	4.72E-04	5.55E-04	5.49E-04	5.96E-04	6.69E-04	6.88E-04	3.29E-06	1.66E-04	0.00E+00	0.00E+00	3.80E-04		
North Carolina	Henderson County	37089	R	Polycyclic Organic Matter	2.45E-02	2.83E-02	3.76E-02	4.76E-02	4.51E-02	5.10E-02	5.82E-02	6.49E-02	1.26E-04	3.40E-02	9.27E-03	1.64E-03	0.00E+00		
North Carolina	Henderson County	37089	R	7-PAH	1.26E-03	1.41E-03	1.76E-03	2.19E-03	2.10E-03	2.43E-03	2.80E-03	2.84E-03	3.10E-08	2.02E-03	6.49E-05	1.60E-05	0.00E+00		
North Carolina	Henderson County	37089	R	Propylene Dichloride	8.02E-06	9.04E-06	1.12E-05	1.69E-05	4.34E-05	3.48E-05	8.77E-05	2.35E-04	2.31E-06	4.11E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	Quinoline	7.67E-08	9.04E-08	1.10E-07	1.26E-07	1.30E-07	1.46E-07	1.65E-07	2.02E-07	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	1,1,2,2-Tetrachloroethane	6.98E-05	7.59E-05	9.37E-05	1.55E-04	3.74E-04	2.81E-04	7.49E-04	2.12E-03	1.21E-06	3.72E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Henderson County	37089	R	Trichloroethylene	8.49E-02	8.50E-02	8.69E-02	8.89E-02	9.38E-02	9.96E-02	1.08E-01	1.14E-01	1.47E-03	1.13E-02	0.00E+00	0.00E+00	8.10E-02		
North Carolina	Henderson County	37089	R	Vinyl Chloride	1.94E-04	2.03E-04	2.47E-04	3.88E-04	9.31E-04	6.97E-04	1.85E-03	5.23E-03	4.76E-06	9.26E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Hertford County	37091	R	Acetaldehyde	8.50E-02	8.50E-02	1.09E-01	1.36E-01	1.26E-01	1.43E-01	1.48E-01	1.48E-01	8.56E-02	1.49E-02	2.06E-02	5.12E-03	0.00E+00		
North Carolina	Hertford County	37091	R	Acrolein	9.07E-03	9.07E-03	9.93E-03	1.11E-02	1.15E-02	1.30E-02	1.46E-02	1.46E-02	1.30E-03	5.39E-03	3.21E-03	7.58E-04	0.00E+00		
North Carolina	Hertford County	37091	R	Acrylonitrile	1.10E-04	1.10E-04	1.11E-04	1.35E-04	1.58E-04	2.05E-04	2.52E-04	2.52E-04	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Hertford County	37091	R	Arsenic Compounds	1.53E-05	1.53E-05	1.66E-05	2.27E-05	2.22E-05	2.77E-05	2.79E-05	2.79E-05	1.06E-05	6.12E-06	3.84E-06	1.63E-06	0.00E+00		
North Carolina	Hertford County	37091	R	Benzene	5.63E-01	5.63E-01	5.72E-01	5.97E-01	6.34E-01	6.34E-01	6.55E-01	6.55E-01	4.43E-02	3.19E-02	3.73E-02	9.45E-03	4.80E-01		
North Carolina	Hertford County	37091	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 Carolina	Hertford County	37091	R	Beryllium Compounds	1.07E-06	1.07E-06	1.26E-06	1.86E-06	1.77E-06	2.28E-06	2.31E-06	2.31E-06	5.73E-07	1.14E-06	0.00E+00	5.75E-08	0.00E+00		
North Carolina	Hertford County	37091	R	1,3-Butadiene	3.34E-03	3.34E-03	3.54E-03	3.98E-03	4.50E-03	5.46E-03	6.71E-03	6.71E-03	0.00E+00	4.12E-03	2.52E-03	5.64E-04	0.00E+00		
North Carolina	Hertford County	37091	R	Cadmium Compounds	2.79E-06	2.79E-06	3.18E-06	4.36E-06	4.28E-06	5.37E-06	5.60E-06	5.60E-06	2.74E-06	1.48E-06	0.00E+00	5.74E-08	0.00E+00		
North Carolina	Hertford County	37091	R	Carbon Disulfide	4.81E-02	4.81E-02	4.85E-02	4.93E-02	4.93E-02	5.01E-02	5.07E-02	5.07E-02	2.17E-03	1.43E-04	0.00E+00	0.00E+00	4.70E-02		
North Carolina	Hertford County	37091	R	Carbon Tetrachloride	8.81E-01	8.81E-01	8.82E-01	8.83E-01	8.83E-01	8.84E-01	8.85E-01	8.85E-01	3.12E-03	3.20E-05	0.00E+00	0.00E+00	8.80E-01		
North Carolina	Hertford County	37091	R	Chloroform	9.28E-02	9.28E-02	9.60E-02	1.02E-01	1.02E-01	1.09E-01	1.13E-01	1.13E-01	1.77E-02	1.74E-03	0.00E+00	0.00E+00	8.30E-02		
North Carolina	Hertford County	37091	R	Chromium Compounds (includes Hexavalent)	2.02E-05	2.02E-05	2.17E-05	3.10E-05	3.23E-05	4.29E-05	4.70E-05	4.70E-05	1.05E-05	1.93E-05	2.38E-06	1.10E-07	0.00E+00		
North Carolina	Hertford County	37091	R	Chromium VI	1.21E-05	1.21E-05	1.26E-05	1.76E-05	1.89E-05	2.51E-05	2.81E-05	2.81E-05	4.59E-06	1.33E-05	9.66E-07	3.74E-08	0.00E+00		
North Carolina	Hertford County	37091	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 Carolina	Hertford County	37091	R	1,4-Dichlorobenzene	1.76E-03	1.76E-03	1.88E-03	2.22E-03	2.59E-03	3.30E-03	4.16E-03	4.16E-03	4.81E-08	2.59E-03	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Hertford County	37091	R	1,3-Dichloropropene	7.07E-03	7.07E-03	8.26E-03	1.03E-02	1.04E-02	1.26E-02	1.41E-02	1.41E-02	5.31E-03	5.12E-03	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Hertford County	37091	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	3.89E-08	0.00E+00	0.00E+00	7.70E-03		
North Carolina	Hertford County	37091	R	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	6.14E-02	6.15E-02	6.15E-02	2.96E-04	2.08E-05	0.00E+00	0.00E+00	6.10E-02		
North Carolina	Hertford County	37091	R	Ethylene Oxide	3.86E-05	3.86E-05	4.11E-05	7.30E-05	2.27E-04	4.13E-04	7.24E-04	0.00E+00	2.27E-04	0.00E+00	0.00E+00	0.00E+00	6.00E-02		
North Carolina	Hertford County	37091	R	Formaldehyde	3.28E-01	3.28E-01	3.39E-01	3.52E-01	3.58E-01	3.77E-01	4.00E-01	4.00E-01	4.44E-02	3.47E-02	1.98E-02	9.16E-03	2.50E-01		
North Carolina	Hertford County	37091	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.34E-05	9.35E-05	9.35E-05	9.36E-05	9.37E-05	9.37E-05	7.44E-08	4.18E-07	0.00E+00	0.00E+00	9.30E-05		
North Carolina	Hertford County	37091	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	1.70E-08	0.00E+00	0.00E+00	1.80E-03		
North Carolina	Hertford County	37091	R	Hexamethylene Diisocyanate	0.00E+00	0.0													



**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Hyde County	37095	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	2.28E-09	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Carolina	Hyde County	37095	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	1.16E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Hyde County	37095	R	Ethylene Oxide	3.19E-07	3.19E-07	3.19E-07	3.19E-07	3.19E-07	3.19E-07	3.19E-07	3.19E-07	3.19E-07	0.00E+00	1.65E-06	1.65E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Hyde County	37095	R	Formaldehyde	2.70E-01	2.70E-01	2.70E-01	2.82E-01	2.82E-01	2.94E-01	2.94E-01	2.94E-01	2.94E-01	0.00E+00	6.84E-03	1.15E-03	2.39E-02	2.50E-01	
North Carolina	Hyde County	37095	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	1.51E-08	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Hyde County	37095	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	1.39E-09	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Hyde County	37095	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 Carolina	Hyde County	37095	R	Hydrazine	1.72E-11	1.72E-11	1.72E-11	1.72E-11	1.72E-11	1.28E-10	1.28E-10	1.28E-10	1.28E-10	0.00E+00	7.27E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Hyde County	37095	R	Lead Compounds	6.47E-06	6.47E-06	6.47E-06	3.25E-05	3.25E-05	5.85E-05	5.85E-05	5.85E-05	5.85E-05	0.00E+00	4.88E-07	0.00E+00	3.20E-05	0.00E+00	
North Carolina	Hyde County	37095	R	Manganese Compounds	3.03E-07	3.03E-07	3.03E-07	4.31E-07	4.31E-07	5.59E-07	5.59E-07	5.59E-07	5.59E-07	0.00E+00	1.67E-07	4.07E-08	2.23E-07	0.00E+00	
North Carolina	Hyde County	37095	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	8.92E-08	2.87E-07	5.99E-07	1.50E-03	
North Carolina	Hyde County	37095	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	7.61E-04	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Hyde County	37095	R	Nickel Compounds	7.97E-07	7.97E-07	7.97E-07	1.11E-06	1.11E-06	1.41E-06	1.41E-06	1.41E-06	1.41E-06	0.00E+00	3.55E-07	1.08E-07	6.42E-07	0.00E+00	
North Carolina	Hyde County	37095	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	8.80E-05	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Hyde County	37095	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.81E-04	3.81E-04	3.82E-04	3.82E-04	3.82E-04	3.82E-04	0.00E+00	1.29E-06	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Hyde County	37095	R	Polycyclic Organic Matter	3.92E-04	3.92E-04	3.92E-04	7.01E-04	7.01E-04	1.01E-03	1.01E-03	1.01E-03	1.01E-03	0.00E+00	3.94E-04	5.24E-05	2.55E-04	0.00E+00	
North Carolina	Hyde County	37095	R	7-PAH	3.14E-05	3.14E-05	3.14E-05	7.48E-05	7.48E-05	1.18E-04	1.18E-04	1.18E-04	1.18E-04	0.00E+00	5.59E-05	3.75E-07	1.85E-05	0.00E+00	
North Carolina	Hyde County	37095	R	Propylene Dichloride	1.93E-08	1.93E-08	1.93E-08	4.82E-08	4.82E-08	7.72E-08	7.72E-08	7.72E-08	7.72E-08	0.00E+00	4.82E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Hyde County	37095	R	Quinoline	3.10E-10	3.10E-10	3.10E-10	2.57E-09	2.57E-09	4.83E-09	4.83E-09	4.83E-09	4.83E-09	0.00E+00	2.57E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Hyde County	37095	R	1,1,2,2-Tetrachloroethane	2.57E-09	2.57E-09	2.57E-09	3.74E-09	3.74E-09	4.92E-09	4.92E-09	4.92E-09	4.92E-09	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Hyde County	37095	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	7.36E-05	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Hyde County	37095	R	Vinyl Chloride	1.92E-08	1.92E-08	1.92E-08	9.58E-08	9.58E-08	1.73E-07	1.73E-07	1.73E-07	1.73E-07	0.00E+00	9.58E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Acetaldehyde	2.45E-01	2.99E-01	3.37E-01	3.74E-01	4.02E-01	5.74E-01	6.24E-01	6.24E-01	6.24E-01	3.73E-02	2.19E-02	3.10E-01	3.25E-02	0.00E+00	
North Carolina	Iredell County	37097	R	Acrolein	4.27E-02	4.72E-02	5.59E-02	6.99E-02	7.01E-02	7.92E-02	9.89E-02	1.02E-01	2.74E-03	1.05E-02	5.07E-02	6.20E-03	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Acrylonitrile	5.77E-05	1.73E-04	2.57E-04	3.38E-04	4.08E-04	6.05E-04	8.60E-04	8.62E-04	5.08E-06	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Arsenic Compounds	8.74E-05	9.57E-05	1.07E-04	1.62E-04	1.55E-04	1.87E-04	2.28E-04	2.28E-04	8.40E-05	1.83E-05	4.95E-05	8.08E-06	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Benzene	8.57E-01	8.88E-01	1.06E+00	1.27E+00	1.27E+00	1.43E+00	1.63E+00	1.75E+00	1.22E-03	2.13E-01	5.16E-01	6.12E-02	4.80E-01	0.00E+00	
North Carolina	Iredell County	37097	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 Carolina	Iredell County	37097	R	Beryllium Compounds	7.40E-06	8.69E-06	1.36E-05	1.85E-05	1.70E-05	2.12E-05	2.49E-05	1.12E-05	5.59E-06	0.00E+00	2.42E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	1,3-Butadiene	1.49E-02	1.51E-02	2.20E-02	2.64E-02	3.16E-02	4.11E-02	5.52E-02	7.01E-02	1.26E-06	1.27E-03	2.62E-02	4.13E-03	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Cadmium Compounds	7.07E-06	8.51E-06	9.95E-06	1.47E-05	1.62E-05	1.99E-05	3.22E-05	3.26E-05	5.26E-06	1.07E-05	0.00E+00	2.41E-07	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Carbon Disulfide	4.75E-02	4.77E-02	4.79E-02	4.88E-02	4.91E-02	4.99E-02	5.14E-02	5.29E-02	3.58E-05	2.09E-03	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Carolina	Iredell County	37097	R	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	1.01E-05	3.20E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
North Carolina	Iredell County	37097	R	Chloroform	8.89E-02	8.96E-02	9.46E-02	1.06E-01	1.06E-01	1.14E-01	1.24E-01	1.33E-01	1.48E-05	2.30E-02	0.00E+00	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Iredell County	37097	R	Chromium Compounds (includes Hexavalent)	2.52E-04	2.74E-04	3.41E-04	4.31E-04	4.68E-04	6.85E-04	3.12E-03	3.95E-03	1.51E-04	6.83E-04	3.29E-05	7.81E-07	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Chromium VI	1.24E-04	1.38E-04	1.43E-04	1.74E-04	3.36E-04	2.58E-04	1.19E-03	1.43E-03	6.21E-05	2.61E-04	1.31E-05	2.65E-07	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	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 Carolina	Iredell County	37097	R	1,4-Dichlorobenzene	6.58E-03	7.19E-03	1.19E-02	2.18E-02	2.19E-02	3.85E-02	4.83E-02	6.63E-07	2.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	1,3-Dichloropropene	1.25E-02	1.37E-02	2.31E-02	4.23E-02	4.29E-02	5.46E-02	7.71E-02	9.58E-02	0.00E+00	4.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	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	2.32E-08	4.14E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Iredell County	37097	R	Ethylene Dichloride	6.10E-02	6.16E-02	6.18E-02	6.19E-02	6.19E-02	6.22E-02	6.24E-02	6.24E-02	6.25E-02	0.05E-06	9.22E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Iredell County	37097	R	Ethylene Oxide	1.05E-04	1.76E-04	2.34E-04	6.06E-04	9.83E-04	1.28E-03	1.65E-03	5.08E-03	1.66E-05	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Formaldehyde	5.02E-01	5.48E-01	6.40E-01	7.15E-01	7.14E-01	8.08E-01	8.41E-01	9.10E-01	7.19E-02	5.79E-02	2.72E-01	6.20E-02	2.50E-01	0.00E+00	
North Carolina	Iredell County	37097	R	Hexachlorobenzene	9.34E-05	9.35E-05	9.39E-05	9.44E-05	9.45E-05	9.50E-05	9.61E-05	9.62E-05	1.13E-08	1.51E-06	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Carolina	Iredell County	37097	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.81E-03	0.00E+00	1.80E-06	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Carolina	Iredell County	37097	R	Hexamethylene Diisocyanate	2.37E-04	2.76E-04	3.36E-04	4.94E-04	4.96E-04	6.20E-04	7.33E-04	9.03E-04	4.94E-04	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Hydrazine	4.31E-09	9.02E-09	2.01E-08	5.04E-08	6.64E-07	1.87E-07	4.12E-07	9.13E-06	2.39E-08	6.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Lead Compounds	2.03E-04	2.18E-04	4.60E-04	6.69E-04	7.20E-04	1.02E-03	1.25E-03	1.34E-03	7.89E-05	3.23E-04	0.00E+00	3.18E-04	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Manganese Compounds	7.39E-04	7.46E-04	8.67E-04	9.46E-04	9.70E-04	1.02E-03	1.26E-03	1.40E-03	3.68E-04	5.91E-04	1.03E-05	7.82E-07	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Mercury Compounds	1.55E-03	1.55E-03	1.58E-03	1.61E-03	1.62E-03	1.65E-03	1.66E-03	1.67E-03	1.66E-05	4.34E-05	4.83E-05	1.50E-03	0.00E+00	0.00E+00	
North Carolina	Iredell County	37097	R	Methylene Chloride	2.24E-01	2.43E-01	3.17E-01	4.83E-01	5.58E-01	6.12E-01	9.67E-01	1.42E+00	1.04E-01	3.03E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Carolina	Iredell County	37097	R	Nickel Compounds	1.29E-04	1.38E-04	1.49E-04	1.97E-04	2.30E-04	2.47E-04	4.59E-04	5.86E-04	7.98E-05	1.25E-04	2.45E-05	1.25E-06	0.00E+00	0.00E+	

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**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Jackson County	37099	R	Arsenic Compounds	9.86E-06	9.86E-06	1.10E-05	2.80E-05	2.85E-05	2.93E-05	6.04E-05	6.04E-05	2.26E-06	1.68E-05	8.10E-06	1.34E-06	0.00E+00
North Carolina	Jackson County	37099	R	Benzene	5.91E-01	5.91E-01	6.00E-01	6.09E-01	6.45E-01	6.82E-01	7.58E-01	7.58E-01	6.54E-05	6.87E-02	7.67E-02	1.91E-02	4.80E-01
North Carolina	Jackson County	37099	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 Carolina	Jackson County	37099	R	Beryllium Compounds	5.28E-07	5.28E-07	8.20E-07	1.74E-06	2.08E-06	2.44E-06	4.72E-06	4.72E-06	1.43E-07	1.93E-06	0.00E+00	1.32E-08	0.00E+00
North Carolina	Jackson County	37099	R	1,3-Butadiene	4.47E-03	4.47E-03	5.37E-03	6.69E-03	8.61E-03	1.19E-02	1.66E-02	1.66E-02	1.82E-07	2.87E-03	4.63E-03	1.11E-03	0.00E+00
North Carolina	Jackson County	37099	R	Cadmium Compounds	1.44E-06	1.44E-06	1.53E-06	5.32E-06	5.58E-06	7.08E-06	1.10E-05	1.10E-05	8.34E-07	4.73E-06	0.00E+00	1.31E-08	0.00E+00
North Carolina	Jackson County	37099	R	Carbon Disulfide	4.71E-02	4.71E-02	4.77E-02	4.78E-02	4.79E-02	4.82E-02	4.87E-02	4.87E-02	8.13E-05	8.27E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Jackson County	37099	R	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	1.15E-04	9.00E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Jackson County	37099	R	Chloroform	8.63E-02	8.63E-02	8.84E-02	9.09E-02	9.11E-02	9.30E-02	9.94E-02	9.94E-02	8.97E-04	7.18E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Jackson County	37099	R	Chromium Compounds (includes Hexavalent)	3.80E-05	3.80E-05	1.64E-04	5.06E-04	7.13E-04	7.62E-04	2.22E-03	2.22E-03	9.06E-06	6.99E-04	4.99E-06	1.88E-07	0.00E+00
North Carolina	Jackson County	37099	R	Chromium VI	3.43E-05	3.43E-05	1.61E-04	4.90E-04	7.06E-04	7.57E-04	2.22E-03	2.22E-03	6.69E-06	6.97E-04	1.97E-06	6.40E-08	0.00E+00
North Carolina	Jackson County	37099	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 Carolina	Jackson County	37099	R	1,4-Dichlorobenzene	2.31E-03	2.31E-03	2.56E-03	3.41E-03	4.60E-03	6.08E-03	1.01E-02	1.01E-02	3.06E-09	4.60E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	1,3-Dichloropropene	4.40E-03	4.40E-03	4.93E-03	6.74E-03	9.12E-03	1.22E-02	2.03E-02	2.03E-02	0.00E+00	9.12E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	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	1.45E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Jackson County	37099	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.14E-02	6.14E-02	1.12E-05	1.17E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Jackson County	37099	R	Ethylene Oxide	4.23E-05	4.23E-05	5.23E-05	1.15E-04	2.33E-04	2.10E-04	7.57E-04	7.57E-04	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	Formaldehyde	3.26E-01	3.26E-01	3.29E-01	3.36E-01	3.57E-01	3.88E-01	4.09E-01	4.09E-01	3.55E-04	5.45E-02	4.19E-02	9.87E-03	2.50E-01
North Carolina	Jackson County	37099	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.34E-05	9.35E-05	9.38E-05	9.40E-05	9.49E-05	9.49E-05	3.62E-09	7.99E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Jackson County	37099	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	3.08E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Jackson County	37099	R	Hexamethylene Diisocyanate	2.00E-05	2.00E-05	2.71E-05	3.64E-05	4.98E-05	7.71E-05	1.08E-04	1.08E-04	0.00E+00	4.98E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	Hydrazine	6.65E-11	6.65E-11	2.06E-09	3.03E-09	3.43E-09	3.86E-09	8.99E-09	8.99E-09	0.00E+00	3.43E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	Lead Compounds	1.28E-05	1.28E-05	4.08E-05	5.58E-05	6.57E-05	9.41E-05	1.34E-04	1.34E-04	5.22E-06	5.79E-05	0.00E+00	2.64E-06	0.00E+00
North Carolina	Jackson County	37099	R	Manganese Compounds	2.12E-04	2.12E-04	4.10E-04	9.83E-04	1.22E-03	1.16E-03	3.41E-03	3.41E-03	2.19E-05	1.20E-03	1.59E-06	1.44E-07	0.00E+00
North Carolina	Jackson County	37099	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.86E-08	3.02E-06	9.38E-06	1.05E-06	1.50E-03
North Carolina	Jackson County	37099	R	Methylene Chloride	1.62E-01	1.62E-01	1.66E-01	1.76E-01	2.41E-01	2.22E-01	6.03E-01	6.03E-01	3.62E-04	9.02E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Jackson County	37099	R	Nickel Compounds	1.07E-05	1.07E-05	1.37E-05	4.08E-05	4.18E-05	5.73E-05	8.57E-05	8.57E-05	3.98E-06	3.39E-05	3.74E-06	2.41E-07	0.00E+00
North Carolina	Jackson County	37099	R	Perchloroethylene	1.45E-01	1.45E-01	1.48E-01	1.54E-01	1.53E-01	1.55E-01	1.65E-01	1.65E-01	2.08E-05	1.26E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Jackson County	37099	R	Polychlorinated Biphenyls	3.98E-04	3.98E-04	4.06E-04	4.16E-04	4.22E-04	4.25E-04	4.75E-04	4.75E-04	3.21E-10	4.23E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Jackson County	37099	R	Polycyclic Organic Matter	7.37E-03	7.37E-03	9.06E-03	1.02E-02	1.24E-02	1.55E-02	2.13E-02	2.13E-02	6.66E-06	1.05E-02	1.71E-03	1.84E-04	0.00E+00
North Carolina	Jackson County	37099	R	7-PAH	6.94E-04	6.94E-04	7.64E-04	7.79E-04	9.37E-04	1.11E-03	1.37E-03	1.37E-03	6.42E-11	9.21E-04	1.30E-05	2.58E-06	0.00E+00
North Carolina	Jackson County	37099	R	Propylene Dichloride	3.41E-06	3.41E-06	3.58E-05	9.86E-05	3.96E-04	1.72E-04	2.18E-03	2.18E-03	2.54E-07	3.96E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	Quinoline	4.28E-09	4.28E-09	1.04E-07	1.57E-07	1.49E-07	1.86E-07	3.28E-07	3.28E-07	0.00E+00	1.49E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	1,1,2,2-Tetrachloroethane	3.96E-06	3.96E-06	6.05E-06	7.25E-06	1.01E-05	1.27E-05	2.24E-05	2.24E-05	0.00E+00	1.01E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Jackson County	37099	R	Trichloroethylene	8.15E-02	8.15E-02	8.21E-02	8.22E-02	8.27E-02	8.28E-02	8.49E-02	8.49E-02	2.04E-05	1.65E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Jackson County	37099	R	Vinyl Chloride	1.38E-05	1.38E-05	3.02E-05	3.36E-05	4.11E-05	5.63E-05	7.13E-05	7.13E-05	9.16E-08	4.10E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Johnston County	37101	U	Acetaldehyde	1.94E-01	2.09E-01	2.60E-01	3.34E-01	3.31E-01	3.81E-01	4.84E-01	4.84E-01	7.48E-02	1.78E-02	2.15E-01	2.28E-02	0.00E+00
North Carolina	Johnston County	37101	U	Acrolein	3.49E-02	3.98E-02	4.41E-02	5.48E-02	5.86E-02	7.71E-02	7.98E-02	8.07E-02	1.67E-02	8.72E-03	3.08E-02	3.89E-03	0.00E+00
North Carolina	Johnston County	37101	U	Acrylonitrile	1.43E-04	1.74E-04	2.13E-04	2.56E-04	4.29E-04	4.40E-04	4.66E-04	2.43E-03	1.65E-05	4.13E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Johnston County	37101	U	Arsenic Compounds	4.81E-05	6.31E-05	7.78E-05	3.47E-04	4.48E-04	8.51E-04	9.43E-04	1.29E-03	4.03E-04	1.08E-05	2.85E-05	5.43E-06	0.00E+00
North Carolina	Johnston County	37101	U	Benzene	7.68E-01	7.94E-01	8.62E-01	9.17E-01	9.60E-01	1.05E+00	1.34E+00	1.28E+00	1.78E-02	1.01E-01	3.14E-01	4.68E-02	4.80E-01
North Carolina	Johnston County	37101	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 Carolina	Johnston County	37101	U	Beryllium Compounds	4.39E-06	6.29E-06	7.50E-06	1.18E-05	1.22E-05	1.44E-05	1.73E-05	2.52E-05	8.23E-06	3.25E-06	0.00E+00	6.82E-07	0.00E+00
North Carolina	Johnston County	37101	U	1,3-Butadiene	8.50E-03	8.67E-03	1.17E-02	1.82E-02	2.19E-02	2.97E-02	4.92E-02	5.09E-02	4.44E-04	1.24E-03	1.62E-02	4.40E-03	0.00E+00
North Carolina	Johnston County	37101	U	Cadmium Compounds	3.85E-06	4.13E-06	6.06E-06	4.19E-05	5.83E-05	1.16E-04	1.33E-04	1.65E-04	5.32E-05	4.38E-06	0.00E+00	6.79E-07	0.00E+00
North Carolina	Johnston County	37101	U	Carbon Disulfide	4.74E-02	4.76E-02	4.76E-02	4.79E-02	4.95E-02	4.83E-02	4.95E-02	7.07E-02	1.11E-04	2.38E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Johnston County	37101	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.80E-01	8.81E-01	8.86E-01	1.78E-06	5.66E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Johnston County	37101	U	Chloroform	8.61E-02	8.63E-02	8.73E-02	8.97E-02	9.32E-02	9.51E-02	9.85E-02	1.27E-01	1.76E-06	1.02E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Johnston County	37101	U	Chromium Compounds (includes Hexavalent)	6.42E-05	2.57E-04	3.72E-04	5.24E-04	7.33E-04	1.20E-03	1.40E-03	1.40E-03	4.50E-04	2.62E-04	2.02E-05	8.07E-07	0.00E+00
North Carolina	Johnston County	37101	U	Chromium VI	2.09E-05	1.00E-04	1.22E-04	1.87E-04	2.62E-04	4.16E-04	4.82E-04	5.11E-04	1.50E-04	1.03E-04	8.08E-06	2.75E-07	0.00E+00
North Carolina	Johnston County	37101	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 Carolina	Johnston County	37101	U	1,4-Dichlorobenzene	5.51E-03	6.35E-03	8.00E-03	9.93E-03	1.15E-02	1.37E-02	1.73E-02	2.92E-02	1.61E-06	1.15E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Johnston County	37101	U	1,3-Dichloropropene	1.05E-02	1.23E-02	1.54E-02	1.91E-02	2.24E-02	2.67E-02	3.41E-02	5.65E-02	0.00E+00	2.24E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Johnston County	37101	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	1.03E-08	8.61E-08	0.00E+00	0.00E+00	7.70E-03
North Carolina	Johnston County	37101	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	9.81E-06	1.80E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Johnston County	37101	U	Ethylene Oxide	9.57E-05	1.03E-04	2.23E-04	3.27E-04	4.94E-04	8.16E-04	9.80E-04	1.72E-03	2.25E-04	2.69E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Johnston County	37101	U	Formaldehyde	4.39E-01	4.63E-01	4.89E-01	6.17E-									

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Johnston County	37101	U	Methylene Chloride	1.75E-01	1.76E-01	1.81E-01	1.91E-01	2.06E-01	2.01E-01	2.86E-01	3.68E-01	2.94E-03	5.35E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Johnston County	37101	U	Nickel Compounds	6.80E-05	1.08E-04	1.42E-04	2.56E-04	3.42E-04	4.23E-04	5.89E-04	1.31E-03	1.89E-04	1.37E-04	1.51E-05	1.07E-06	0.00E+00	
North Carolina	Johnston County	37101	U	Perchloroethylene	1.48E-01	1.50E-01	1.50E-01	1.52E-01	1.54E-01	1.57E-01	1.58E-01	1.58E-01	1.84E-01	3.93E-05	1.43E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Johnston County	37101	U	Polychlorinated Biphenyls	4.22E-04	4.22E-04	4.39E-04	4.56E-04	4.95E-04	5.42E-04	6.15E-04	8.08E-04	2.83E-06	1.12E-04	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Johnston County	37101	U	Polycyclic Organic Matter	2.05E-02	2.06E-02	2.25E-02	2.58E-02	2.83E-02	3.07E-02	4.02E-02	5.41E-02	2.44E-03	1.80E-02	6.94E-03	8.51E-04	0.00E+00	
North Carolina	Johnston County	37101	U	7-PAH	7.41E-04	7.85E-04	8.14E-04	9.52E-04	1.13E-03	1.19E-03	1.89E-03	2.50E-03	2.54E-08	1.07E-03	4.93E-05	9.91E-06	0.00E+00	
North Carolina	Johnston County	37101	U	Propylene Dichloride	1.00E-05	1.04E-05	1.26E-05	1.31E-05	1.96E-05	1.69E-05	3.39E-05	8.51E-05	2.93E-06	1.67E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Johnston County	37101	U	Quinoline	1.75E-08	1.91E-08	2.42E-08	3.14E-08	3.54E-08	4.42E-08	5.98E-08	7.05E-08	0.00E+00	3.54E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Johnston County	37101	U	1,1,2,2-Tetrachloroethane	6.98E-05	8.23E-05	9.76E-05	1.25E-04	1.35E-04	1.76E-04	2.17E-04	2.35E-04	9.13E-06	1.26E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Johnston County	37101	U	Trichloroethylene	8.30E-02	8.39E-02	8.40E-02	8.45E-02	8.64E-02	8.64E-02	9.54E-02	9.92E-02	1.85E-05	5.40E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Johnston County	37101	U	Vinyl Chloride	1.75E-04	2.06E-04	2.45E-04	3.08E-04	3.38E-04	4.38E-04	5.38E-04	5.81E-04	2.32E-05	3.15E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Acetaldehyde	8.82E-02	8.82E-02	8.82E-02	9.55E-02	1.10E-01	1.47E-01	1.47E-01	1.47E-01	5.67E-02	5.43E-03	4.07E-02	7.28E-03	0.00E+00	
North Carolina	Jones County	37103	R	Acrolein	1.34E-02	1.34E-02	1.34E-02	1.68E-02	2.88E-02	5.61E-02	5.61E-02	5.61E-02	1.45E-02	6.63E-03	6.48E-03	1.21E-03	0.00E+00	
North Carolina	Jones County	37103	R	Acrylonitrile	5.38E-05	5.38E-05	5.38E-05	5.52E-05	6.71E-05	9.22E-05	9.22E-05	9.22E-05	0.00E+00	6.71E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Arsenic Compounds	2.74E-05	2.74E-05	2.74E-05	3.18E-05	3.27E-04	9.23E-04	9.23E-04	9.23E-04	3.19E-04	2.75E-06	4.36E-06	1.79E-06	0.00E+00	
North Carolina	Jones County	37103	R	Benzene	5.61E-01	5.61E-01	5.61E-01	5.92E-01	5.88E-01	6.11E-01	6.11E-01	6.11E-01	1.49E-02	2.93E-02	5.29E-02	1.09E-02	4.80E-01	
North Carolina	Jones County	37103	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 Carolina	Jones County	37103	R	Beryllium Compounds	7.71E-06	7.71E-06	7.71E-06	1.13E-05	1.22E-05	1.75E-05	1.75E-05	1.75E-05	1.17E-05	5.01E-07	0.00E+00	2.06E-08	0.00E+00	
North Carolina	Jones County	37103	R	1,3-Butadiene	3.36E-03	3.36E-03	3.36E-03	4.17E-03	4.07E-03	4.66E-03	4.66E-03	4.66E-03	3.66E-04	1.85E-03	1.49E-03	3.63E-04	0.00E+00	
North Carolina	Jones County	37103	R	Cadmium Compounds	1.89E-05	1.89E-05	1.89E-05	2.05E-05	5.85E-05	1.36E-04	1.36E-04	1.36E-04	5.67E-05	1.78E-06	0.00E+00	2.28E-08	0.00E+00	
North Carolina	Jones County	37103	R	Carbon Disulfide	4.75E-02	4.75E-02	4.75E-02	4.75E-02	4.76E-02	4.77E-02	4.77E-02	4.77E-02	2.74E-04	2.86E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Jones County	37103	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	3.34E-04	1.41E-05	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Jones County	37103	R	Chloroform	8.43E-02	8.43E-02	8.43E-02	8.60E-02	8.55E-02	8.61E-02	8.61E-02	8.61E-02	1.25E-03	3.24E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Jones County	37103	R	Chromium Compounds (includes Hexavalent)	3.55E-05	3.55E-05	3.55E-05	3.66E-05	3.82E-04	1.07E-03	1.07E-03	1.07E-03	3.76E-04	2.89E-06	3.10E-06	1.23E-07	0.00E+00	
North Carolina	Jones County	37103	R	Chromium VI	1.91E-05	1.91E-05	1.91E-05	1.96E-05	1.35E-04	3.68E-04	3.68E-04	3.68E-04	1.33E-04	1.44E-06	1.23E-06	4.17E-08	0.00E+00	
North Carolina	Jones County	37103	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 Carolina	Jones County	37103	R	1,4-Dichlorobenzene	2.62E-03	2.62E-03	2.62E-03	2.64E-03	3.02E-03	3.81E-03	3.81E-03	3.81E-03	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	1,3-Dichloropropene	4.91E-03	4.91E-03	4.91E-03	4.97E-03	5.71E-03	7.24E-03	7.24E-03	7.24E-03	0.00E+00	5.71E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	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-08	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Jones County	37103	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	3.71E-06	8.17E-06	0.00E+00	0.00E+00	6.10E-02
North Carolina	Jones County	37103	R	Ethylene Oxide	4.81E-05	4.81E-05	4.81E-05	7.46E-05	2.28E-04	5.60E-04	5.60E-04	5.60E-04	1.69E-04	5.89E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Formaldehyde	3.24E-01	3.24E-01	3.24E-01	3.43E-01	4.01E-01	5.36E-01	5.36E-01	5.36E-01	7.26E-02	3.39E-02	3.22E-02	1.22E-02	2.50E-01	
North Carolina	Jones County	37103	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	0.00E+00	1.74E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Jones County	37103	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	1.74E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Jones County	37103	R	Hexamethylene Diisocyanate	6.37E-07	6.37E-07	6.37E-07	7.49E-07	1.32E-06	2.58E-06	2.58E-06	2.58E-06	1.31E-06	8.25E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Hydrazine	1.86E-10	1.86E-10	1.86E-10	1.34E-09	1.73E-09	3.66E-09	3.66E-09	3.66E-09	0.00E+00	1.73E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Lead Compounds	1.23E-04	1.23E-04	1.23E-04	1.49E-04	8.71E-04	2.34E-03	2.34E-03	2.34E-03	7.48E-04	1.56E-05	0.00E+00	1.08E-04	0.00E+00	
North Carolina	Jones County	37103	R	Manganese Compounds	1.12E-04	1.12E-04	1.12E-04	2.48E-04	2.26E-04	3.17E-04	3.17E-04	3.17E-04	1.40E-04	8.47E-05	9.22E-07	1.79E-07	0.00E+00	
North Carolina	Jones County	37103	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	5.88E-06	2.35E-06	4.86E-06	1.55E-06	1.50E-03	
North Carolina	Jones County	37103	R	Methylene Chloride	1.61E-01	1.61E-01	1.61E-01	1.64E-01	1.65E-01	1.70E-01	1.70E-01	1.70E-01	4.40E-03	1.07E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Jones County	37103	R	Nickel Compounds	2.60E-04	2.60E-04	2.60E-04	2.73E-04	2.83E-04	3.15E-04	3.15E-04	3.15E-04	2.69E-04	1.03E-05	2.31E-06	7.90E-07	0.00E+00	
North Carolina	Jones County	37103	R	Perchloroethylene	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.46E-01	1.48E-01	1.48E-01	1.48E-01	1.65E-03	4.06E-03	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Jones County	37103	R	Polychlorinated Biphenyls	3.95E-04	3.95E-04	3.95E-04	3.98E-04	3.99E-04	4.04E-04	4.04E-04	4.04E-04	7.14E-07	1.85E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Jones County	37103	R	Polycyclic Organic Matter	6.35E-03	6.35E-03	6.35E-03	7.36E-03	8.74E-03	1.25E-02	1.25E-02	1.25E-02	2.79E-03	4.54E-03	1.11E-03	2.99E-04	0.00E+00	
North Carolina	Jones County	37103	R	7-PAH	3.97E-04	3.97E-04	3.97E-04	4.11E-04	4.30E-04	4.83E-04	4.83E-04	4.83E-04	1.32E-06	4.18E-04	7.65E-06	3.09E-06	0.00E+00	
North Carolina	Jones County	37103	R	Propylene Dichloride	2.83E-06	2.83E-06	2.83E-06	3.84E-06	4.12E-06	5.70E-06	5.70E-06	5.70E-06	0.00E+00	4.12E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Quinoline	5.25E-09	5.25E-09	5.25E-09	4.34E-08	4.68E-08	9.16E-08	9.16E-08	9.16E-08	0.00E+00	4.68E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	1,1,2,2-Tetrachloroethane	2.12E-05	2.12E-05	2.12E-05	2.54E-05	3.10E-05	4.63E-05	4.63E-05	4.63E-05	0.00E+00	3.10E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Jones County	37103	R	Trichloroethylene	8.17E-02	8.17E-02	8.17E-02	8.20E-02	8.20E-02	8.23E-02	8.23E-02	8.23E-02	1.85E-04	7.85E-04	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Jones County	37103	R	Vinyl Chloride	7.61E-05	7.61E-05	7.61E-05	1.05E-04	1.23E-04	1.87E-04	1.87E-04	1.87E-04	4.49E-05	7.77E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lee County	37105	R	Acetaldehyde	1.47E-01	1.47E-01	1.83E-01	2.20E-01	2.46E-01	3.38E-01	3.63E-01	3.63E-01	2.15E-02	2.21E-02	1.69E-01	3.41E-02	0.00E+00	
North Carolina	Lee County	37105	R	Acrolein	2.40E-02	2.40E-02	2.99E-02	3.80E-02	3.98E-02	5.44E-02	5.67E-02	5.67E-02	1.25E-03	1.11E-02	2.31E-02	4.38E-03	0.00E+00	
North Carolina	Lee County	37105	R	Acrylonitrile	7.72E-05	7.72E-05	1.12E-04	1.84E-04	2.39E-04	4.02E-04	4.37E-04	4.37E-04	2.64E-06	2.36E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lee County	37105	R	Arsenic Compounds	2.83E-04	2.83E-04	3.63E-04	4.35E-04	3.06E-03	5.18E-04	1.90E-02	1.90E-02	2.79E-03	2.26E-04	2.74E-05	1.06E-05	0.00E+00	
North Carolina	Lee County	37105	R	Benzene	7.22E-01	7.22E-01	7.74E-01	9.11E-01	1.01E+00	1.38E+00	1.39E+00	1.39E+00	8.40E-04	1.31E-01	3.32E-01	6.65E-02	4.80E-01	
North Carolina	Lee County	37105	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 Carolina	Lee County	37105	R	Beryllium Compounds	1.51E-06	1.51E-06	4.40E-06	5.47E-										



**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Lincoln County	37109	U	Acetaldehyde	3.59E-01	4.21E-01	4.81E-01	5.87E-01	6.01E-01	6.76E-01	7.41E-01	1.02E+00	1.91E-01	2.81E-02	3.40E-01	4.18E-02	0.00E+00	
North Carolina	Lincoln County	37109	U	Acrolein	5.15E-02	5.37E-02	6.65E-02	8.30E-02	7.94E-02	9.21E-02	9.76E-02	9.83E-02	2.99E-03	1.26E-02	5.34E-02	1.05E-02	0.00E+00	
North Carolina	Lincoln County	37109	U	Acrylonitrile	3.05E-04	3.71E-04	4.72E-04	5.79E-04	5.87E-04	6.60E-04	7.73E-04	9.90E-04	9.04E-06	5.78E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Arsenic Compounds	1.06E-04	1.13E-04	1.33E-04	1.70E-04	1.85E-04	2.07E-04	2.88E-04	3.43E-04	1.13E-04	2.65E-05	3.94E-05	6.46E-06	0.00E+00	
North Carolina	Lincoln County	37109	U	Benzene	9.14E-01	9.59E-01	1.03E+00	1.15E+00	1.18E+00	1.28E+00	1.39E+00	1.64E+00	9.31E-04	1.61E-01	4.72E-01	6.66E-02	4.80E-01	
North Carolina	Lincoln County	37109	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	5.64E-13	2.33E-12	0.00E+00	0.00E+00	0.00E+00
North Carolina	Lincoln County	37109	U	Beryllium Compounds	2.00E-05	2.03E-05	2.14E-05	2.59E-05	2.91E-05	3.39E-05	4.07E-05	5.46E-05	7.55E-06	2.11E-05	0.00E+00	4.67E-07	0.00E+00	
North Carolina	Lincoln County	37109	U	1,3-Butadiene	7.84E-03	8.64E-03	1.40E-02	1.57E-02	2.20E-02	2.66E-02	3.23E-02	6.48E-02	2.34E-06	1.31E-03	1.69E-02	3.78E-03	0.00E+00	
North Carolina	Lincoln County	37109	U	Cadmium Compounds	1.13E-05	1.30E-05	1.38E-05	2.40E-05	2.37E-05	2.82E-05	3.87E-05	4.39E-05	7.18E-06	1.61E-05	0.00E+00	4.65E-07	0.00E+00	
North Carolina	Lincoln County	37109	U	Carbon Disulfide	4.77E-02	4.78E-02	4.80E-02	4.83E-02	4.86E-02	4.85E-02	4.89E-02	5.24E-02	1.11E-04	1.49E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Lincoln County	37109	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	4.84E-06	3.27E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Lincoln County	37109	U	Chloroform	9.18E-02	9.22E-02	9.53E-02	9.87E-02	9.95E-02	1.03E-01	1.07E-01	1.11E-01	8.50E-06	1.64E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Lincoln County	37109	U	Chromium Compounds (includes Hexavalent)	6.11E-04	6.43E-04	6.62E-04	8.34E-04	8.54E-04	9.67E-04	1.07E-03	1.37E-03	3.70E-04	4.54E-04	2.97E-05	9.19E-07	0.00E+00	
North Carolina	Lincoln County	37109	U	Chromium VI	1.98E-04	2.05E-04	3.82E-04	5.21E-04	4.72E-04	5.72E-04	6.53E-04	6.76E-04	1.36E-04	3.24E-04	1.18E-05	3.12E-07	0.00E+00	
North Carolina	Lincoln County	37109	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 Carolina	Lincoln County	37109	U	1,4-Dichlorobenzene	1.23E-02	1.25E-02	1.53E-02	1.82E-02	1.94E-02	2.28E-02	2.75E-02	3.02E-02	1.24E-06	1.94E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	1,3-Dichloropropene	2.34E-02	2.37E-02	2.89E-02	3.50E-02	3.73E-02	4.41E-02	5.34E-02	5.96E-02	0.00E+00	3.73E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.98E-08	3.64E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Lincoln County	37109	U	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.14E-02	6.15E-02	1.52E-05	1.31E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Lincoln County	37109	U	Ethylene Oxide	2.49E-04	2.68E-04	3.82E-04	1.44E-03	9.34E-04	1.44E-03	1.49E-03	2.14E-03	2.50E-04	6.84E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Formaldehyde	5.17E-01	5.53E-01	6.01E-01	6.89E-01	6.87E-01	7.44E-01	7.68E-01	9.51E-01	3.22E-02	5.78E-02	2.67E-01	8.02E-02	2.50E-01	
North Carolina	Lincoln County	37109	U	Hexachlorobenzene	9.38E-05	9.40E-05	9.48E-05	9.55E-05	9.55E-05	9.63E-05	9.68E-05	9.71E-05	1.18E-07	2.38E-06	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Lincoln County	37109	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	1.51E-06	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Lincoln County	37109	U	Hexamethylene Diisocyanate	1.48E-04	1.55E-04	2.38E-04	3.43E-04	6.11E-04	7.84E-04	1.52E-03	2.09E-03	6.02E-04	9.27E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Hydrazine	1.31E-08	3.09E-08	4.89E-08	7.90E-08	8.03E-08	1.31E-07	1.85E-07	1.93E-07	9.98E-08	7.93E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Lead Compounds	4.33E-04	5.38E-04	5.51E-04	6.68E-04	7.64E-04	8.48E-04	1.26E-03	1.44E-03	1.05E-04	3.14E-04	0.00E+00	3.46E-04	0.00E+00	
North Carolina	Lincoln County	37109	U	Manganese Compounds	1.45E-03	1.46E-03	1.79E-03	2.30E-03	2.61E-03	3.37E-03	3.93E-03	4.75E-03	6.57E-04	1.94E-03	9.12E-06	7.07E-07	0.00E+00	
North Carolina	Lincoln County	37109	U	Mercury Compounds	1.54E-03	1.55E-03	1.56E-03	1.59E-03	1.60E-03	1.62E-03	1.65E-03	1.67E-03	1.66E-05	3.10E-05	4.19E-05	5.76E-06	1.50E-03	
North Carolina	Lincoln County	37109	U	Methylene Chloride	2.97E-01	3.21E-01	4.17E-01	4.91E-01	4.86E-01	5.66E-01	6.07E-01	6.71E-01	1.71E-01	1.60E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Lincoln County	37109	U	Nickel Compounds	2.18E-04	2.19E-04	2.78E-04	3.65E-04	4.14E-04	4.81E-04	6.24E-04	9.41E-04	9.86E-05	2.92E-04	2.21E-05	1.17E-06	0.00E+00	
North Carolina	Lincoln County	37109	U	Perchloroethylene	1.57E-01	1.60E-01	1.73E-01	1.80E-01	1.79E-01	1.88E-01	1.93E-01	1.95E-01	2.00E-05	3.88E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Lincoln County	37109	U	Polychlorinated Biphenyls	4.39E-04	4.41E-04	4.49E-04	4.81E-04	5.21E-04	5.93E-04	6.68E-04	6.69E-04	1.87E-09	1.41E-04	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Lincoln County	37109	U	Polycyclic Organic Matter	3.22E-02	3.24E-02	3.80E-02	4.59E-02	4.60E-02	5.42E-02	5.98E-02	6.13E-02	4.33E-04	3.32E-02	1.05E-02	1.95E-03	0.00E+00	
North Carolina	Lincoln County	37109	U	7-PAH	1.34E-03	1.44E-03	1.50E-03	1.85E-03	1.93E-03	2.30E-03	2.73E-03	2.76E-03	4.05E-06	1.84E-03	7.10E-05	1.39E-05	0.00E+00	
North Carolina	Lincoln County	37109	U	Propylene Dichloride	1.37E-05	1.67E-05	2.59E-05	4.08E-05	3.74E-05	4.94E-05	5.21E-05	5.56E-05	5.46E-06	3.19E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Quinoline	4.70E-08	4.84E-08	7.51E-08	9.14E-08	1.02E-07	1.12E-07	1.55E-07	2.32E-07	0.00E+00	1.02E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	1,1,2,2-Tetrachloroethane	5.17E-05	7.59E-05	1.19E-04	1.83E-04	1.72E-04	2.28E-04	2.29E-04	2.68E-04	1.11E-06	1.71E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Lincoln County	37109	U	Trichloroethylene	1.14E-01	1.16E-01	1.22E-01	1.29E-01	1.30E-01	1.39E-01	1.43E-01	1.47E-01	3.48E-02	1.44E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Lincoln County	37109	U	Vinyl Chloride	1.65E-04	2.20E-04	3.04E-04	4.67E-04	4.45E-04	5.77E-04	5.97E-04	6.93E-04	3.56E-06	4.41E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	McDowell County	37111	R	Acetaldehyde	1.18E-01	1.18E-01	1.29E-01	1.47E-01	1.64E-01	1.90E-01	2.35E-01	2.35E-01	1.46E-02	3.16E-02	1.07E-01	1.12E-02	0.00E+00	
North Carolina	McDowell County	37111	R	Acrolein	2.72E-02	2.72E-02	3.33E-02	3.54E-02	3.69E-02	3.83E-02	4.82E-02	4.82E-02	3.08E-03	1.27E-02	1.88E-02	2.27E-03	0.00E+00	
North Carolina	McDowell County	37111	R	Acrylonitrile	2.01E-04	2.01E-04	2.45E-04	3.10E-04	3.65E-04	4.66E-04	5.65E-04	5.65E-04	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	McDowell County	37111	R	Arsenic Compounds	5.68E-05	5.68E-05	1.00E-04	1.23E-04	1.20E-04	1.55E-04	1.62E-04	1.62E-04	7.09E-05	2.35E-05	2.20E-05	3.24E-06	0.00E+00	
North Carolina	McDowell County	37111	R	Benzene	6.63E-01	6.63E-01	7.61E-01	7.88E-01	8.33E-01	8.91E-01	1.09E+00	1.09E+00	2.78E-03	1.08E-01	2.13E-01	2.89E-02	4.80E-01	
North Carolina	McDowell County	37111	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 Carolina	McDowell County	37111	R	Beryllium Compounds	8.38E-06	8.38E-06	1.33E-05	1.64E-05	1.71E-05	2.07E-05	2.59E-05	2.59E-05	1.20E-05	4.00E-06	0.00E+00	1.14E-06	0.00E+00	
North Carolina	McDowell County	37111	R	1,3-Butadiene	6.89E-03	6.89E-03	1.05E-02	1.41E-02	1.84E-02	2.33E-02	4.24E-02	4.24E-02	0.00E+00	2.58E-03	1.35E-02	2.28E-03	0.00E+00	
North Carolina	McDowell County	37111	R	Cadmium Compounds	7.00E-06	7.00E-06	1.28E-05	1.35E-05	1.65E-05	2.27E-05	2.88E-05	2.88E-05	7.35E-06	8.05E-06	0.00E+00	1.13E-06	0.00E+00	
North Carolina	McDowell County	37111	R	Carbon Disulfide	4.73E-02	4.73E-02	4.74E-02	4.77E-02	4.81E-02	4.83E-02	5.00E-02	5.00E-02	4.03E-07	1.11E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	McDowell County	37111	R	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	1.69E-05	1.79E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	McDowell County	37111	R	Chloroform	8.73E-02	8.73E-02	8.78E-02	8.84E-02	9.02E-02	9.03E-02	9.96E-02	9.96E-02	1.63E-05	7.14E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	McDowell County	37111	R	Chromium Compounds (includes Hexavalent)	6.32E-04	6.32E-04	7.59E-04	1.01E-03	1.16E-03	1.49E-03	1.96E-03	1.96E-03	5.58E-04	5.88E-04	1.40E-05	5.72E-07	0.00E+00	
North Carolina	McDowell County	37111	R	Chromium VI	5.95E-04	5.95E-04	7.08E-04	9.39E-04	1.11E-03	1.42E-03	1.90E-03	1.90E-03	5.31E-04	5.73E-04	5.55E-06	1.95E-07	0.00E+00	
North Carolina	McDowell County	37111	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 Carolina	McDowell County	37111	R	1,4-Dichlorobenzene	4.39E-03	4.39E-03	5.88E-03	7.87E-03	1.06E-02	1.14E-02	2.90E-02	2.90E-02	2.48E-07	1.06E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	McDowell County	37111	R	1,3-Dichloropropene	8.33E-03	8.33E-03	1.12E-02	1.54E-02	2.10E-02	2.26E-02	5.84E-02	5.84E-02	0.00E+00	2.10E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina																		

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	McDowell County	37111	R	Lead Compounds	1.48E-04	1.48E-04	2.07E-04	2.30E-04	2.55E-04	3.18E-04	3.41E-04	3.41E-04	1.02E-04	1.30E-04	0.00E+00	2.33E-05	0.00E+00		
North Carolina	McDowell County	37111	R	Manganese Compounds	9.61E-04	9.61E-04	1.48E-03	1.66E-03	1.93E-03	2.42E-03	3.22E-03	3.22E-03	8.57E-04	1.07E-03	4.45E-06	3.98E-07	0.00E+00		
North Carolina	McDowell County	37111	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.60E-03	1.60E-03	1.31E-06	1.16E-05	2.53E-05	3.89E-06	1.50E-03		
North Carolina	McDowell County	37111	R	Methylene Chloride	2.06E-01	2.06E-01	2.56E-01	3.17E-01	3.20E-01	3.57E-01	4.68E-01	4.68E-01	1.16E-01	5.44E-02	0.00E+00	0.00E+00	1.50E-01		
North Carolina	McDowell County	37111	R	Nickel Compounds	1.12E-04	1.12E-04	2.18E-04	2.38E-04	4.25E-04	5.36E-04	1.42E-03	1.42E-03	1.15E-04	2.99E-04	1.05E-05	7.66E-07	0.00E+00		
North Carolina	McDowell County	37111	R	Perchloroethylene	1.45E-01	1.45E-01	1.47E-01	1.48E-01	1.51E-01	1.53E-01	1.67E-01	1.67E-01	2.31E-05	1.12E-02	0.00E+00	0.00E+00	1.40E-01		
North Carolina	McDowell County	37111	R	Polychlorinated Biphenyls	4.20E-04	4.20E-04	4.22E-04	4.72E-04	4.75E-04	4.92E-04	5.76E-04	5.76E-04	1.43E-07	9.52E-05	0.00E+00	0.00E+00	3.80E-04		
North Carolina	McDowell County	37111	R	Polycyclic Organic Matter	1.29E-02	1.29E-02	1.87E-02	2.39E-02	2.46E-02	2.46E-02	4.69E-02	4.69E-02	4.94E-04	1.89E-02	4.74E-03	5.12E-04	0.00E+00		
North Carolina	McDowell County	37111	R	7-PAH	8.35E-04	8.35E-04	1.08E-03	1.34E-03	1.37E-03	1.54E-03	2.22E-03	2.22E-03	2.79E-09	1.33E-03	3.59E-05	5.39E-06	0.00E+00		
North Carolina	McDowell County	37111	R	Propylene Dichloride	3.18E-05	3.18E-05	4.50E-05	5.97E-05	6.17E-05	7.11E-05	1.07E-04	1.07E-04	1.99E-05	4.19E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	McDowell County	37111	R	Quinoline	2.34E-08	2.34E-08	3.59E-08	9.17E-08	1.58E-07	1.07E-07	8.38E-07	8.38E-07	0.00E+00	1.58E-07	0.00E+00	0.00E+00	0.00E+00		
North Carolina	McDowell County	37111	R	1,1,2,2-Tetrachloroethane	6.12E-05	6.12E-05	8.69E-05	1.21E-04	1.50E-04	1.99E-04	2.88E-04	2.88E-04	1.97E-08	1.50E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	McDowell County	37111	R	Trichloroethylene	8.27E-02	8.27E-02	8.38E-02	8.64E-02	8.66E-02	8.73E-02	1.11E-01	1.11E-01	2.90E-04	7.35E-03	0.00E+00	0.00E+00	8.10E-02		
North Carolina	McDowell County	37111	R	Vinyl Chloride	1.80E-04	1.80E-04	2.49E-04	3.23E-04	3.91E-04	5.08E-04	7.40E-04	7.40E-04	7.88E-06	3.83E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Acetaldehyde	3.19E-02	3.19E-02	3.35E-02	5.08E-02	5.06E-02	6.77E-02	7.27E-02	7.27E-02	6.34E-05	1.18E-02	3.37E-02	5.02E-03	0.00E+00		
North Carolina	Macon County	37113	R	Acrolein	1.48E-02	1.48E-02	1.52E-02	1.74E-02	1.78E-02	2.11E-02	2.13E-02	2.13E-02	1.38E-05	1.09E-02	5.41E-03	1.43E-03	0.00E+00		
North Carolina	Macon County	37113	R	Acrylonitrile	2.77E-05	2.77E-05	2.95E-05	4.27E-05	8.97E-05	6.99E-05	3.60E-04	3.60E-04	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Arsenic Compounds	6.64E-06	6.64E-06	1.07E-05	1.29E-05	1.48E-05	1.87E-05	2.61E-05	2.61E-05	8.13E-08	6.85E-06	6.53E-06	1.33E-06	0.00E+00		
North Carolina	Macon County	37113	R	Benzene	5.69E-01	5.69E-01	5.82E-01	6.12E-01	6.25E-01	6.61E-01	7.10E-01	7.10E-01	1.99E-05	6.22E-02	6.17E-02	2.11E-02	4.80E-01		
North Carolina	Macon County	37113	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 Carolina	Macon County	37113	R	Beryllium Compounds	3.47E-07	3.47E-07	4.87E-07	7.33E-07	9.19E-07	9.60E-07	2.30E-06	2.30E-06	6.11E-09	9.11E-07	0.00E+00	1.35E-09	0.00E+00		
North Carolina	Macon County	37113	R	1,3-Butadiene	4.10E-03	4.10E-03	5.93E-03	6.37E-03	8.02E-03	1.20E-02	1.48E-02	1.48E-02	0.00E+00	2.46E-03	4.07E-03	1.50E-03	0.00E+00		
North Carolina	Macon County	37113	R	Cadmium Compounds	1.13E-06	1.13E-06	1.84E-06	2.15E-06	2.59E-06	3.07E-06	4.99E-06	4.99E-06	1.83E-08	5.67E-06	0.00E+00	1.33E-09	0.00E+00		
North Carolina	Macon County	37113	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	4.77E-02	4.77E-02	0.00E+00	2.31E-04	0.00E+00	0.00E+00	4.70E-02		
North Carolina	Macon County	37113	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	1.42E-07	5.88E-05	0.00E+00	0.00E+00	8.80E-01		
North Carolina	Macon County	37113	R	Chloroform	8.53E-02	8.53E-02	8.63E-02	8.70E-02	8.79E-02	8.93E-02	9.29E-02	9.29E-02	1.39E-07	4.92E-03	0.00E+00	0.00E+00	8.30E-02		
North Carolina	Macon County	37113	R	Chromium Compounds (includes Hexavalent)	2.27E-05	2.27E-05	6.23E-05	1.45E-04	1.50E-04	2.66E-04	2.72E-04	2.72E-04	3.90E-06	1.42E-04	4.02E-06	2.42E-07	0.00E+00		
North Carolina	Macon County	37113	R	Chromium VI	1.98E-05	1.98E-05	5.73E-05	1.41E-04	1.44E-04	2.56E-04	2.64E-04	2.64E-04	3.90E-06	1.39E-04	1.60E-06	8.22E-08	0.00E+00		
North Carolina	Macon County	37113	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 Carolina	Macon County	37113	R	1,4-Dichlorobenzene	1.89E-03	1.89E-03	2.76E-03	3.16E-03	3.92E-03	5.14E-03	7.95E-03	7.95E-03	1.74E-09	3.92E-03	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	1,3-Dichloropropene	3.67E-03	3.67E-03	5.46E-03	6.23E-03	7.76E-03	1.03E-02	1.59E-02	1.59E-02	0.00E+00	7.76E-03	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	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	4.47E-08	0.00E+00	0.00E+00	7.70E-03		
North Carolina	Macon County	37113	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.76E-07	3.10E-05	0.00E+00	0.00E+00	6.10E-02		
North Carolina	Macon County	37113	R	Ethylene Oxide	5.09E-05	5.09E-05	5.89E-05	8.88E-05	1.57E-04	1.71E-04	5.39E-04	5.39E-04	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Formaldehyde	3.15E-01	3.15E-01	3.17E-01	3.34E-01	3.37E-01	3.63E-01	3.65E-01	3.65E-01	5.60E-05	4.35E-02	3.31E-02	9.99E-03	2.50E-01		
North Carolina	Macon County	37113	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.40E-05	9.40E-05	2.67E-09	3.62E-07	0.00E+00	0.00E+00	9.30E-05		
North Carolina	Macon County	37113	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.95E-08	0.00E+00	0.00E+00	1.80E-03		
North Carolina	Macon County	37113	R	Hexamethylene Diisocyanate	3.85E-06	3.85E-06	1.34E-05	1.63E-05	2.66E-05	6.73E-05	6.73E-05	6.73E-05	0.00E+00	2.66E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	4.52E-12	1.61E-10	3.28E-10	5.32E-10	5.32E-10	0.00E+00	1.61E-10	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Lead Compounds	1.39E-05	1.39E-05	2.08E-05	2.77E-05	3.65E-05	4.57E-05	8.95E-05	8.95E-05	2.13E-07	3.60E-05	0.00E+00	2.25E-07	0.00E+00		
North Carolina	Macon County	37113	R	Manganese Compounds	2.47E-04	2.47E-04	4.43E-04	5.86E-04	6.07E-04	7.75E-04	9.87E-04	9.87E-04	5.85E-06	6.00E-04	1.27E-06	1.57E-07	0.00E+00		
North Carolina	Macon County	37113	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	0.00E+00	3.60E-06	7.66E-06	9.93E-07	1.50E-03		
North Carolina	Macon County	37113	R	Methylene Chloride	1.56E-01	1.56E-01	1.60E-01	1.62E-01	1.68E-01	1.73E-01	2.00E-01	2.00E-01	4.31E-04	1.79E-02	0.00E+00	0.00E+00	1.50E-01		
North Carolina	Macon County	37113	R	Nickel Compounds	1.48E-05	1.48E-05	1.89E-05	2.43E-05	3.28E-05	3.09E-05	9.42E-05	9.42E-05	5.44E-07	2.90E-05	3.03E-06	2.72E-07	0.00E+00		
North Carolina	Macon County	37113	R	Perchloroethylene	1.43E-01	1.43E-01	1.45E-01	1.46E-01	1.46E-01	1.47E-01	1.49E-01	1.49E-01	1.93E-07	5.88E-03	0.00E+00	0.00E+00	1.40E-01		
North Carolina	Macon County	37113	R	Polychlorinated Biphenyls	3.91E-04	3.91E-04	3.95E-04	4.00E-04	4.12E-04	4.23E-04	4.76E-04	4.76E-04	2.46E-10	3.22E-05	0.00E+00	0.00E+00	3.80E-04		
North Carolina	Macon County	37113	R	Polycyclic Organic Matter	7.22E-03	7.22E-03	8.13E-03	1.12E-02	1.18E-02	1.57E-02	1.86E-02	1.86E-02	9.21E-06	1.02E-02	1.38E-03	2.29E-04	0.00E+00		
North Carolina	Macon County	37113	R	7-PAH	6.71E-04	6.71E-04	6.73E-04	8.64E-04	8.99E-04	1.08E-03	1.12E-03	1.12E-03	0.00E+00	8.86E-04	1.05E-05	2.95E-06	0.00E+00		
North Carolina	Macon County	37113	R	Propylene Dichloride	2.02E-06	2.02E-06	6.98E-06	1.67E-05	1.81E-05	3.56E-05	3.80E-05	3.80E-05	1.72E-07	1.79E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	3.35E-10	9.13E-09	2.11E-08	2.54E-08	0.00E+00	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	1,1,2,2-Tetrachloroethane	5.83E-06	5.83E-06	6.70E-06	1.06E-05	3.59E-05	2.96E-05	1.62E-04	1.62E-04	0.00E+00	3.59E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Macon County	37113	R	Trichloroethylene	8.16E-02	8.16E-02	8.18E-02	8.20E-02	8.29E-02	8.28E-02	8.78E-02	8.78E-02	1.59E-07	1.91E-03	0.00E+00	0.00E+00	8.10E-02		
North Carolina	Macon County	37113	R	Vinyl Chloride	1.72E-05	1.72E-05	1.95E-05	2.64E-05	9.10E-05	7.54E-05	4.05E-04	4.05E-04	6.75E-08	9.10E-05	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Madison County	37115	R	Acetaldehyde	1.60E-01	1.60E-01	1.83E-01	2.11E-01	2.05E-01	2.27E-01	2.40E-01	2.40E-01	2.77E-02	1.42E-02	1.54E-01	8.94E-03	0.00E+00		
North Carolina	Madison County	37115	R	Acrolein	3.14E-02	3.14E-02	3.28E-02	3.62E-02	3.66E-02	4.10E-02	4.20E-02	4.20E-02	1.12E-03	1.01E-02	2.29E-02	2.51E-03	0.00E+00		
North Carolina	Madison County	37115	R	Acrylonitrile	4.27E-04	4.27E-04	1.31E-03	1.54E-03	1.61E-03	1.99E-03	2.85E-03	2.85E-03	2.83E-05	1.58E-03	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Madison County	371																	

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Madison County	37115	R	Chloroform	8.65E-02	8.65E-02	8.88E-02	9.19E-02	9.45E-02	9.82E-02	1.10E-01	1.10E-01	7.58E-03	3.88E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Madison County	37115	R	Chromium Compounds (includes Hexavalent)	1.10E-04	1.10E-04	2.35E-04	2.46E-04	2.23E-04	2.51E-04	2.52E-04	2.52E-04	9.09E-05	1.21E-04	1.11E-05	3.65E-07	0.00E+00	
North Carolina	Madison County	37115	R	Chromium VI	5.06E-05	5.06E-05	1.12E-04	1.16E-04	1.10E-04	1.21E-04	1.44E-04	1.44E-04	5.35E-05	5.17E-05	4.41E-06	1.24E-07	0.00E+00	
North Carolina	Madison County	37115	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 Carolina	Madison County	37115	R	1,4-Dichlorobenzene	5.98E-03	5.98E-03	6.87E-03	8.39E-03	8.39E-03	1.03E-02	1.04E-02	1.04E-02	8.81E-08	8.39E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	1,3-Dichloropropene	9.96E-03	9.96E-03	1.19E-02	1.48E-02	1.45E-02	1.74E-02	1.83E-02	1.83E-02	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.21E-08	1.73E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Madison County	37115	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.14E-02	6.14E-02	1.11E-04	1.78E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Madison County	37115	R	Ethylene Oxide	2.13E-04	2.13E-04	2.20E-04	2.90E-04	6.41E-04	3.26E-04	2.51E-03	2.51E-03	3.19E-07	6.41E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Madison County	37115	R	Formaldehyde	4.15E-01	4.15E-01	4.24E-01	4.55E-01	4.57E-01	4.95E-01	5.00E-01	5.00E-01	1.02E-02	4.87E-02	1.29E-01	1.88E-02	2.50E-01	
North Carolina	Madison County	37115	R	Hexachlorobenzene	9.34E-05	9.34E-05	9.34E-05	9.35E-05	9.35E-05	9.36E-05	9.37E-05	9.37E-05	9.55E-09	4.75E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Madison County	37115	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.94E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Madison County	37115	R	Hexamethylene Diisocyanate	5.84E-07	5.84E-07	5.85E-07	7.03E-07	7.52E-07	9.59E-07	9.77E-07	9.77E-07	0.00E+00	7.52E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	Hydrazine	9.65E-10	9.65E-10	1.16E-09	2.29E-09	2.19E-09	2.98E-09	3.44E-09	3.44E-09	5.59E-10	1.63E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	Lead Compounds	2.25E-04	2.25E-04	2.49E-04	4.71E-04	4.51E-04	6.00E-04	6.90E-04	6.90E-04	7.18E-05	2.17E-04	0.00E+00	1.63E-04	0.00E+00	
North Carolina	Madison County	37115	R	Manganese Compounds	5.39E-05	5.39E-05	1.95E-04	2.26E-04	2.61E-04	3.37E-04	5.28E-04	5.28E-04	2.08E-04	5.00E-05	3.34E-06	2.53E-07	0.00E+00	
North Carolina	Madison County	37115	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.54E-03	8.47E-06	3.55E-06	1.66E-05	2.50E-06	1.50E-03	
North Carolina	Madison County	37115	R	Methylene Chloride	1.74E-01	1.74E-01	1.81E-01	1.84E-01	1.96E-01	1.96E-01	1.87E-01	2.65E-01	2.65E-01	2.30E-03	4.36E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Madison County	37115	R	Nickel Compounds	6.46E-05	6.46E-05	8.84E-05	1.47E-04	1.30E-04	1.59E-04	1.71E-04	1.71E-04	6.44E-05	5.66E-05	8.20E-06	4.53E-07	0.00E+00	
North Carolina	Madison County	37115	R	Perchloroethylene	1.48E-01	1.48E-01	1.50E-01	1.51E-01	1.52E-01	1.53E-01	1.58E-01	1.58E-01	2.21E-04	1.16E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Madison County	37115	R	Polychlorinated Biphenyls	4.14E-04	4.14E-04	4.20E-04	4.30E-04	4.34E-04	4.49E-04	4.59E-04	4.59E-04	1.38E-06	5.22E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Madison County	37115	R	Polycyclic Organic Matter	1.54E-02	1.54E-02	1.72E-02	1.95E-02	2.01E-02	2.42E-02	2.49E-02	2.49E-02	5.05E-05	1.17E-02	3.92E-03	4.72E-04	0.00E+00	
North Carolina	Madison County	37115	R	7-PAH	9.02E-04	9.02E-04	9.79E-04	1.01E-03	1.14E-03	1.37E-03	1.57E-03	1.57E-03	1.27E-08	1.11E-02	2.69E-05	4.75E-06	0.00E+00	
North Carolina	Madison County	37115	R	Propylene Dichloride	7.05E-06	7.05E-06	9.26E-06	9.85E-06	9.42E-06	1.00E-05	1.05E-05	1.05E-05	8.42E-07	8.58E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	Quinoline	4.81E-08	4.81E-08	4.92E-08	6.94E-08	6.88E-08	7.85E-08	9.83E-08	9.83E-08	0.00E+00	6.88E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	1,1,1,2,2-Tetrachloroethane	5.84E-05	5.84E-05	1.21E-04	1.39E-04	1.39E-04	1.59E-04	2.18E-04	2.18E-04	0.00E+00	1.39E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Madison County	37115	R	Trichloroethylene	8.32E-02	8.32E-02	8.33E-02	8.45E-02	8.44E-02	8.52E-02	8.54E-02	8.54E-02	4.38E-04	2.93E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Madison County	37115	R	Vinyl Chloride	1.47E-04	1.47E-04	3.00E-04	3.45E-04	3.46E-04	3.96E-04	5.41E-04	5.41E-04	7.15E-07	3.45E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	R	Acetaldehyde	7.78E-02	7.78E-02	8.36E-02	9.38E-02	9.80E-02	1.08E-01	1.30E-01	1.30E-01	1.54E-02	1.15E-02	6.10E-02	1.01E-02	0.00E+00	
North Carolina	Martin County	37117	R	Acrolein	1.36E-02	1.36E-02	1.51E-02	1.95E-02	1.91E-02	2.23E-02	2.46E-02	2.46E-02	4.32E-04	6.73E-03	1.02E-02	1.76E-03	0.00E+00	
North Carolina	Martin County	37117	R	Acrylonitrile	9.12E-05	9.12E-05	1.05E-04	1.17E-04	1.33E-04	1.80E-04	1.87E-04	1.87E-04	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	R	Arsenic Compounds	1.55E-05	1.55E-05	1.84E-05	2.29E-05	2.34E-05	2.91E-05	3.16E-05	3.16E-05	6.77E-06	3.76E-06	9.79E-06	3.05E-06	0.00E+00	
North Carolina	Martin County	37117	R	Benzene	6.05E-01	6.05E-01	6.11E-01	6.58E-01	6.89E-01	7.86E-01	8.16E-01	8.16E-01	2.84E-02	5.22E-02	1.14E-01	1.45E-02	4.80E-01	
North Carolina	Martin County	37117	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 Carolina	Martin County	37117	R	Beryllium Compounds	1.56E-06	1.56E-06	5.26E-06	5.99E-06	8.22E-06	8.99E-06	2.15E-05	2.15E-05	6.96E-06	1.15E-06	0.00E+00	1.13E-07	0.00E+00	
North Carolina	Martin County	37117	R	1,3-Butadiene	4.05E-03	4.05E-03	4.25E-03	6.22E-03	9.74E-03	1.72E-02	2.05E-02	2.05E-02	5.78E-11	1.78E-03	7.03E-03	9.37E-04	0.00E+00	
North Carolina	Martin County	37117	R	Cadmium Compounds	4.75E-06	4.75E-06	8.93E-06	9.51E-06	1.05E-05	1.44E-05	1.58E-05	1.58E-05	3.63E-06	2.00E-06	0.00E+00	1.14E-07	0.00E+00	
North Carolina	Martin County	37117	R	Carbon Disulfide	4.74E-02	4.74E-02	4.74E-02	4.78E-02	4.78E-02	4.82E-02	4.83E-02	4.83E-02	3.63E-04	4.63E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Martin County	37117	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.83E-01	8.83E-01	1.10E-03	7.75E-05	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Martin County	37117	R	Chloroform	1.15E-01	1.15E-01	1.37E-01	1.42E-01	1.46E-01	1.44E-01	1.98E-01	1.98E-01	5.89E-02	4.26E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Martin County	37117	R	Chromium Compounds (includes Hexavalent)	1.27E-04	1.27E-04	1.29E-04	1.40E-04	1.90E-04	2.12E-04	3.91E-04	3.91E-04	9.45E-05	8.87E-05	6.77E-06	1.88E-07	0.00E+00	
North Carolina	Martin County	37117	R	Chromium VI	4.76E-05	4.76E-05	4.82E-05	5.29E-05	1.01E-04	7.85E-05	3.24E-04	3.24E-04	6.57E-05	3.23E-05	2.70E-06	6.39E-08	0.00E+00	
North Carolina	Martin County	37117	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 Carolina	Martin County	37117	R	1,4-Dichlorobenzene	2.65E-03	2.65E-03	3.08E-03	5.27E-03	6.43E-03	1.06E-02	1.16E-02	1.16E-02	6.52E-05	6.36E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	R	1,3-Dichloropropene	5.04E-03	5.04E-03	5.59E-03	9.99E-03	1.25E-02	2.11E-02	2.31E-02	2.31E-02	0.00E+00	1.25E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	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	1.34E-08	7.88E-08	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Martin County	37117	R	Ethylene Dichloride	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.16E-02	6.16E-02	6.16E-02	3.25E-04	1.39E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Martin County	37117	R	Ethylene Oxide	6.87E-05	6.87E-05	7.22E-05	1.36E-04	2.27E-04	4.71E-04	4.78E-04	4.78E-04	7.04E-08	2.27E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	R	Formaldehyde	3.30E-01	3.30E-01	3.56E-01	3.69E-01	3.75E-01	4.01E-01	4.26E-01	4.26E-01	1.13E-02	3.81E-02	5.70E-02	1.88E-02	2.50E-01	
North Carolina	Martin County	37117	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.37E-05	9.38E-05	9.38E-05	2.01E-09	4.51E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Martin County	37117	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.23E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Martin County	37117	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 Carolina	Martin County	37117	R	Hydrazine	1.03E-06	1.03E-06	1.11E-06	2.10E-06	4.15E-06	2.68E-06	1.59E-05	1.59E-05	4.13E-06	1.20E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	R	Lead Compounds	1.55E-04	1.55E-04	2.30E-04	2.49E-04	2.68E-04	2.92E-04	4.32E-04	4.32E-04	2.23E-05	6.95E-05	0.00E+00	1.76E-04	0.00E+00	
North Carolina	Martin County	37117	R	Manganese Compounds	9.21E-05	9.21E-05	9.43E-05	1.12E-04	2.62E-04	1.85E-04	9.75E-04	9.75E-04	2.81E-05	2.31E-04	2.12E-06	2.84E-07	0.00E+00	
North Carolina	Martin County	37117	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	7.49E-06	2.80E-06	1.08E-05	2.73E-06	1.50E-03	

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Martin County	37117	R	1,1,2,2-Tetrachloroethane	2.09E-05	2.09E-05	3.96E-05	4.82E-05	4.93E-05	6.63E-05	7.24E-05	7.24E-05	0.00E+00	4.93E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Martin County	37117	R	Trichloroethylene	8.26E-02	8.26E-02	8.31E-02	8.36E-02	8.40E-02	8.54E-02	8.56E-02	8.56E-02	7.19E-04	2.27E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Martin County	37117	R	Vinyl Chloride	4.29E-05	4.29E-05	5.35E-05	6.75E-05	6.61E-05	8.19E-05	8.34E-05	8.34E-05	5.05E-08	6.61E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Acetaldehyde	5.68E-01	6.28E-01	8.30E-01	9.91E-01	1.16E+00	1.41E+00	1.94E+00	2.09E+00	3.39E-01	1.80E-02	6.26E-01	1.76E-01	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Acrolein	8.61E-02	9.85E-02	1.16E-01	1.32E-01	1.43E-01	1.66E-01	1.96E-01	2.17E-01	7.49E-03	1.46E-02	8.68E-02	3.43E-02	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Acrylonitrile	5.37E-04	5.85E-04	7.64E-04	1.10E-03	2.04E-03	2.00E-03	3.45E-03	5.16E-03	2.90E-06	2.04E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Arsenic Compounds	1.45E-04	1.72E-04	2.08E-04	2.50E-04	2.80E-04	3.40E-04	4.40E-04	4.87E-04	1.51E-04	2.51E-05	8.02E-05	2.41E-05	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Benzene	1.22E+00	1.31E+00	1.46E+00	1.64E+00	1.90E+00	2.02E+00	2.80E+00	3.53E+00	6.67E-04	1.05E-01	1.04E+00	2.81E-01	4.80E-01	
North Carolina	Mecklenburg County	37119	U	Benzidine	1.79E-12	2.20E-12	3.52E-12	7.75E-12	3.79E-11	1.76E-11	4.71E-11	7.51E-11	0.00E+00	3.79E-11	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Beryllium Compounds	1.07E-05	1.22E-05	1.53E-05	1.96E-05	1.94E-05	2.28E-05	2.64E-05	2.74E-05	1.03E-05	8.58E-06	0.00E+00	5.31E-07	0.00E+00	
North Carolina	Mecklenburg County	37119	U	1,3-Butadiene	2.67E-02	3.26E-02	4.40E-02	6.26E-02	9.43E-02	1.08E-01	1.87E-01	2.84E-01	5.37E-06	1.04E-03	6.27E-02	3.05E-02	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Cadmium Compounds	2.05E-05	2.34E-05	3.01E-05	4.70E-05	5.76E-05	6.24E-05	9.49E-05	1.23E-04	8.77E-06	4.83E-05	0.00E+00	5.29E-07	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Carbon Disulfide	4.82E-02	4.86E-02	4.98E-02	5.13E-02	5.27E-02	5.38E-02	5.75E-02	5.86E-02	2.73E-03	2.99E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Mecklenburg County	37119	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.82E-01	8.84E-01	8.84E-01	8.85E-01	8.87E-01	8.88E-01	3.41E-03	7.53E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Mecklenburg County	37119	U	Chloroform	1.10E-01	1.12E-01	1.21E-01	1.37E-01	1.35E-01	1.45E-01	1.53E-01	1.57E-01	1.51E-02	3.68E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Mecklenburg County	37119	U	Chromium Compounds (includes Hexavalent)	2.16E-04	2.50E-04	3.14E-04	4.59E-04	5.96E-04	7.29E-04	1.04E-03	1.19E-03	1.79E-04	3.42E-04	7.08E-05	4.11E-06	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Chromium VI	6.87E-05	7.29E-05	9.02E-05	1.15E-04	1.38E-04	1.61E-04	1.98E-04	2.09E-04	4.78E-05	6.03E-05	2.83E-05	1.40E-06	0.00E+00	
North Carolina	Mecklenburg County	37119	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 Carolina	Mecklenburg County	37119	U	1,4-Dichlorobenzene	2.60E-02	2.86E-02	3.35E-02	4.05E-02	4.03E-02	4.56E-02	5.30E-02	5.61E-02	5.47E-06	4.03E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	1,3-Dichloropropene	5.07E-02	5.62E-02	6.57E-02	8.10E-02	7.98E-02	9.04E-02	1.06E-01	1.12E-01	0.00E+00	7.98E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	4.92E-08	1.97E-06	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Mecklenburg County	37119	U	Ethylene Dichloride	6.12E-02	6.12E-02	6.14E-02	6.15E-02	6.15E-02	6.16E-02	6.17E-02	6.18E-02	3.05E-04	1.96E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Mecklenburg County	37119	U	Ethylene Oxide	8.47E-04	1.02E-03	1.32E-03	1.98E-03	3.39E-03	3.01E-03	6.10E-03	8.02E-03	3.94E-04	2.29E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Formaldehyde	7.25E-01	7.68E-01	8.71E-01	1.00E+00	1.12E+00	1.20E+00	1.59E+00	2.01E+00	2.99E-02	4.27E-02	4.96E-01	3.00E-01	2.50E-01	
North Carolina	Mecklenburg County	37119	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.34E-05	9.34E-05	9.34E-05	9.35E-05	9.36E-05	6.98E-08	3.24E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Mecklenburg County	37119	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	3.11E-09	4.36E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Mecklenburg County	37119	U	Hexamethylene Diisocyanate	4.11E-04	4.46E-04	5.33E-04	6.70E-04	8.09E-04	8.86E-04	1.17E-03	1.49E-03	7.78E-04	3.15E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Hydrazine	5.54E-06	6.63E-06	8.78E-06	1.53E-05	5.01E-05	2.75E-05	5.15E-05	7.61E-05	1.05E-07	5.00E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Lead Compounds	1.21E-03	1.45E-03	1.88E-03	3.02E-03	4.32E-03	4.73E-03	8.42E-03	1.27E-02	3.18E-04	3.23E-03	0.00E+00	7.73E-04	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Manganese Compounds	6.63E-04	8.92E-04	1.26E-03	1.72E-03	2.02E-03	2.53E-03	3.44E-03	4.13E-03	8.18E-04	1.17E-03	2.27E-05	2.78E-06	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Mercury Compounds	1.72E-03	1.77E-03	1.82E-03	1.93E-03	2.00E-03	2.03E-03	2.25E-03	2.41E-03	1.63E-05	3.83E-04	7.66E-05	1.88E-05	1.50E-03	
North Carolina	Mecklenburg County	37119	U	Methylene Chloride	3.76E-01	3.92E-01	4.63E-01	5.67E-01	6.37E-01	7.66E-01	9.39E-01	1.04E+00	2.22E-01	2.64E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Mecklenburg County	37119	U	Nickel Compounds	2.46E-04	2.70E-04	3.00E-04	4.06E-04	4.68E-04	5.75E-04	6.95E-04	7.36E-04	1.90E-04	2.20E-04	5.24E-05	4.89E-06	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Perchloroethylene	1.96E-01	2.06E-01	2.33E-01	2.61E-01	2.94E-01	2.97E-01	3.78E-01	6.03E-01	6.64E-04	1.54E-01	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Mecklenburg County	37119	U	Polychlorinated Biphenyls	4.10E-04	4.11E-04	4.12E-04	4.13E-04	4.16E-04	4.18E-04	4.25E-04	4.31E-04	1.76E-12	3.62E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Mecklenburg County	37119	U	Polycyclic Organic Matter	5.16E-02	5.42E-02	6.02E-02	6.98E-02	7.57E-02	8.32E-02	1.07E-01	1.21E-01	1.96E-04	4.31E-02	2.44E-02	7.94E-03	0.00E+00	
North Carolina	Mecklenburg County	37119	U	7-PAH	8.55E-04	8.71E-04	9.47E-04	1.09E-03	1.18E-03	1.35E-03	1.58E-03	1.66E-03	4.42E-06	9.67E-04	1.55E-04	5.54E-05	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Propylene Dichloride	8.58E-06	8.78E-06	9.52E-06	1.12E-05	1.51E-05	1.51E-05	2.15E-05	2.67E-05	2.91E-07	1.48E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Quinoline	8.65E-08	9.30E-08	1.09E-07	1.23E-07	1.50E-07	1.68E-07	2.21E-07	2.59E-07	0.00E+00	1.50E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	1,1,2,2-Tetrachloroethane	3.13E-05	3.44E-05	3.88E-05	4.51E-05	4.78E-05	5.38E-05	6.77E-05	7.70E-05	6.99E-07	4.71E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mecklenburg County	37119	U	Trichloroethylene	9.50E-02	9.71E-02	1.00E-01	1.15E-01	1.28E-01	1.35E-01	1.77E-01	1.99E-01	6.07E-04	4.59E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Mecklenburg County	37119	U	Vinyl Chloride	1.79E-04	1.88E-04	2.11E-04	2.49E-04	3.35E-04	3.46E-04	5.12E-04	6.02E-04	4.99E-07	3.34E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mitchell County	37121	R	Acetaldehyde	9.47E-02	9.47E-02	1.05E-01	1.22E-01	1.21E-01	1.38E-01	1.47E-01	1.47E-01	3.23E-03	2.53E-02	8.21E-02	1.08E-02	0.00E+00	
North Carolina	Mitchell County	37121	R	Acrolein	2.36E-02	2.36E-02	2.43E-02	2.50E-02	2.56E-02	2.68E-02	2.86E-02	2.86E-02	1.82E-03	7.78E-03	1.17E-02	2.22E-03	0.00E+00	
North Carolina	Mitchell County	37121	R	Acrylonitrile	9.26E-05	9.26E-05	1.23E-04	1.58E-04	2.94E-04	4.66E-04	7.69E-04	7.69E-04	1.48E-04	1.46E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Mitchell County	37121	R	Arsenic Compounds	2.40E-05	2.40E-05	2.44E-05	4.33E-05	4.43E-05	6.41E-05	6.64E-05	6.64E-05	1.96E-05	1.22E-05	2.01E-06	0.00E+00	0.00E+00	
North Carolina	Mitchell County	37121	R	Benzene	6.85E-01	6.85E-01	6.87E-01	6.90E-01	6.90E-01	6.92E-01	6.94E-01	6.94E-01	1.88E-03	7.87E-02	1.07E-01	2.25E-02	4.80E-01	
North Carolina	Mitchell County	37121	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 Carolina	Mitchell County	37121	R	Beryllium Compounds	2.64E-06	2.64E-06	2.90E-06	4.95E-06	5.24E-06	7.58E-06	8.40E-06	8.40E-06	2.38E-06	1.59E-06	0.00E+00	1.27E-06	0.00E+00	
North Carolina	Mitchell County	37121	R	1,3-Butadiene	6.84E-03	6.84E-03	7.49E-03	8.53E-03	9.09E-03	1.07E-02	1.25E-02	1.45E-03	1.99E-03	4.44E-03	1.20E-03	0.00E+00	0.00E+00	
North Carolina	Mitchell County	37121	R	Cadmium Compounds	4.50E-06	4.50E-06	4.89E-06	1.03E-05	1.06E-05	1.64E-05	1.74E-05	1.74E-05	5.31E-06	4.06E-06	0.00E+00	1.26E-06	0.00E+00	
North Carolina	Mitchell County	37121	R	Carbon Disulfide	4.73E-02	4.73E-02	4.74E-02	4.75E-02	4.76E-02	4.77E-02	4.80E-02	4.80E-02	2.08E-05	5.55E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Mitchell County	37121	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	8.84E-06	8.54E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Mitchell County	37121	R	Chloroform	9.04E-02	9.04E-02	9.21E-02	9.48E-02	9.44E-02	9.67E-02	9.75E-02	9.75E-02	5.09E-06	1.14E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Mitchell County	37121	R	Chromium Compounds (includes Hexavalent)	1.84E-04	1.84E-04	1.93E-04	3.19E-04	5.45E-04	8.97E-04	1.36E-03	1.36E-03	1.29E-04	4.09E-04	6.75E-06	5.04E-07	0.00E+00	
North Carolina	Mitchell County	37121	R	Chromium VI	1.27E-04	1.27E-04	1.49E-04	2.86E-04	5.08E-04	8.67E-04	1.33E-03	1.33E-03	1.17E-04					

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Mitchell County	37121	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.75E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Mitchell County	37121	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	1.04E-08	1.23E-08	2.46E-08	2.84E-08	2.84E-08	0.00E+00	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Hydrazine	1.78E-10	1.78E-10	3.89E-10	8.91E-10	1.24E-09	2.09E-09	3.00E-09	3.00E-09	0.00E+00	1.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Lead Compounds	4.99E-05	4.99E-05	8.48E-05	1.26E-04	1.39E-04	1.92E-04	2.51E-04	2.51E-04	1.96E-05	9.08E-05	0.00E+00	2.81E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Manganese Compounds	3.10E-04	3.10E-04	4.07E-04	7.95E-04	1.04E-03	1.67E-03	2.26E-03	2.26E-03	1.71E-04	8.67E-04	2.05E-06	2.96E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	9.32E-07	3.44E-06	1.19E-05	3.08E-06	0.00E+00	0.00E+00	1.50E-03
North Carolina	Mitchell County	37121	R	Methylene Chloride	1.73E-01	1.73E-01	1.73E-01	1.79E-01	1.87E-01	2.00E-01	2.15E-01	2.15E-01	1.28E-02	2.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Mitchell County	37121	R	Nickel Compounds	4.85E-05	4.85E-05	6.01E-05	1.00E-04	9.73E-05	1.35E-04	1.41E-04	1.41E-04	1.72E-05	7.45E-05	5.01E-06	6.07E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Perchloroethylene	1.46E-01	1.46E-01	1.47E-01	1.50E-01	1.50E-01	1.50E-01	1.54E-01	1.54E-01	1.54E-01	2.67E-04	1.00E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	Mitchell County	37121	R	Polychlorinated Biphenyls	4.09E-04	4.09E-04	4.16E-04	4.34E-04	4.33E-04	4.50E-04	4.54E-04	4.54E-04	5.91E-09	5.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	Mitchell County	37121	R	Polycyclic Organic Matter	1.61E-02	1.61E-02	1.63E-02	1.66E-02	1.68E-02	1.73E-02	1.77E-02	1.77E-02	7.94E-05	1.39E-02	2.34E-03	4.24E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	7-PAH	9.85E-04	9.85E-04	1.02E-03	1.06E-03	1.04E-03	1.07E-03	1.07E-03	1.07E-03	3.57E-09	1.02E-03	1.69E-05	5.28E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Propylene Dichloride	1.26E-05	1.26E-05	1.85E-05	3.81E-05	3.75E-05	5.65E-05	6.11E-05	6.11E-05	1.33E-05	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Quinoline	8.24E-09	8.24E-09	2.52E-08	6.43E-08	8.51E-08	1.45E-07	2.04E-07	2.04E-07	0.00E+00	8.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	1,1,2,2-Tetrachloroethane	4.03E-05	4.03E-05	5.61E-05	7.23E-05	1.49E-04	2.43E-04	4.13E-04	4.13E-04	8.22E-05	6.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Mitchell County	37121	R	Trichloroethylene	8.27E-02	8.27E-02	8.29E-02	8.33E-02	8.34E-02	8.40E-02	8.44E-02	8.44E-02	1.61E-04	2.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Mitchell County	37121	R	Vinyl Chloride	1.05E-04	1.05E-04	1.46E-04	1.92E-04	3.79E-04	6.12E-04	1.03E-03	1.03E-03	2.04E-04	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Acetaldehyde	7.48E-02	7.48E-02	7.51E-02	7.55E-02	9.45E-02	8.16E-02	1.65E-01	1.65E-01	3.34E-04	1.34E-02	5.68E-02	6.02E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Acrolein	1.70E-02	1.70E-02	1.70E-02	1.70E-02	1.86E-02	1.79E-02	2.41E-02	2.41E-02	1.02E-04	9.25E-03	8.16E-03	1.08E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Acrylonitrile	2.75E-05	2.75E-05	4.07E-05	6.34E-05	5.58E-05	6.81E-05	7.90E-05	7.90E-05	1.05E-06	5.47E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Arsenic Compounds	2.02E-05	2.02E-05	2.37E-05	3.41E-05	3.01E-05	3.42E-05	3.84E-05	3.84E-05	2.11E-06	1.83E-05	8.31E-06	1.37E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Benzene	5.91E-01	5.91E-01	5.94E-01	5.99E-01	6.26E-01	6.10E-01	7.36E-01	7.36E-01	9.49E-05	5.10E-02	8.33E-02	1.15E-02	4.80E-01	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Benzidine	0.00E+00	0.00E+00	7.59E-07	1.42E-06	1.44E-06	2.51E-06	2.52E-06	2.52E-06	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Beryllium Compounds	2.88E-06	2.88E-06	3.51E-06	3.73E-06	5.56E-06	7.84E-06	9.83E-06	9.83E-06	1.99E-06	3.49E-06	0.00E+00	8.07E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	1,3-Butadiene	4.07E-03	4.07E-03	4.27E-03	4.52E-03	7.16E-03	4.91E-03	1.80E-02	1.80E-02	4.15E-06	2.06E-03	4.46E-03	6.32E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Cadmium Compounds	3.73E-06	3.73E-06	4.19E-06	4.33E-06	4.89E-06	6.01E-06	6.20E-06	6.20E-06	6.11E-07	4.20E-06	0.00E+00	8.01E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Carbon Disulfide	4.73E-02	4.73E-02	5.07E-02	5.25E-02	5.14E-02	5.28E-02	5.39E-02	5.39E-02	4.12E-03	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Montgomery County	37123	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	2.35E-06	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	Montgomery County	37123	R	Chloroform	8.52E-02	8.52E-02	8.56E-02	8.57E-02	8.58E-02	8.60E-02	8.63E-02	8.63E-02	7.84E-07	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Montgomery County	37123	R	Chromium Compounds (includes Hexavalent)	1.42E-04	1.42E-04	1.52E-04	1.90E-04	2.04E-04	2.54E-04	2.82E-04	2.82E-04	1.21E-05	1.87E-04	5.39E-06	1.52E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Chromium VI	9.19E-05	9.19E-05	9.68E-05	1.23E-04	1.34E-04	1.79E-04	1.81E-04	1.81E-04	7.65E-06	1.24E-04	2.14E-06	5.17E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	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 Carolina	Montgomery County	37123	R	1,4-Dichlorobenzene	3.04E-03	3.04E-03	3.30E-03	3.36E-03	3.67E-03	3.89E-03	4.76E-03	4.76E-03	1.41E-06	3.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	1,3-Dichloropropene	5.87E-03	5.87E-03	6.23E-03	6.50E-03	7.10E-03	7.54E-03	9.34E-03	9.34E-03	0.00E+00	7.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.24E-09	4.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Carolina	Montgomery County	37123	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	1.56E-07	5.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Montgomery County	37123	R	Ethylene Oxide	9.98E-05	9.98E-05	1.09E-04	1.23E-04	1.41E-04	1.80E-04	1.96E-04	1.96E-04	1.00E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Formaldehyde	3.38E-01	3.38E-01	3.46E-01	3.46E-01	3.60E-01	3.49E-01	4.23E-01	4.23E-01	4.46E-04	5.15E-02	4.76E-02	1.06E-02	2.50E-01	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.33E-05	9.33E-05	9.34E-05	9.34E-05	0.00E+00	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Montgomery County	37123	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	5.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Montgomery County	37123	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	1.71E-05	2.70E-05	2.76E-05	3.96E-05	5.44E-05	5.44E-05	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Hydrazine	3.34E-10	3.34E-10	3.90E-10	5.74E-10	1.52E-09	1.38E-09	4.95E-09	4.95E-09	0.00E+00	1.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Lead Compounds	1.80E-04	1.80E-04	2.94E-04	2.99E-04	8.45E-04	8.06E-04	2.65E-03	2.65E-03	8.69E-06	8.18E-04	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Manganese Compounds	1.80E-04	1.80E-04	2.12E-04	2.82E-04	4.09E-04	4.05E-04	9.68E-04	9.68E-04	1.57E-04	2.50E-04	1.69E-06	1.38E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	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	4.36E-07	2.20E-06	9.53E-06	1.24E-06	0.00E+00	0.00E+00	1.50E-03
North Carolina	Montgomery County	37123	R	Methylene Chloride	1.65E-01	1.65E-01	1.65E-01	1.81E-01	1.78E-01	1.88E-01	1.91E-01	1.91E-01	6.46E-03	2.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Montgomery County	37123	R	Nickel Compounds	1.35E-04	1.35E-04	1.53E-04	1.80E-04	1.80E-04	1.83E-04	2.49E-04	2.49E-04	1.37E-05	1.62E-04	4.04E-06	2.20E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.46E-01	1.46E-01	1.47E-01	1.49E-01	1.49E-01	5.08E-07	5.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	Montgomery County	37123	R	Polychlorinated Biphenyls	4.00E-04	4.00E-04	4.05E-04	4.11E-04	4.11E-04	4.12E-04	4.25E-04	4.25E-04	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	Montgomery County	37123	R	Polycyclic Organic Matter	2.46E-02	2.46E-02	2.86E-02	3.30E-02	4.10E-02	3.75E-02	8.16E-02	8.16E-02	3.01E-02	8.98E-03	1.84E-03	1.58E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Montgomery County	37123	R	7-PAH	6.53E-04														

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Moore County	37125	R	Cadmium Compounds	2.73E-06	2.77E-06	3.37E-06	4.49E-06	4.73E-06	4.74E-06	5.29E-06	1.32E-05	6.60E-07	3.90E-06	0.00E+00	1.63E-07	0.00E+00
North Carolina	Moore County	37125	R	Carbon Disulfide	4.75E-02	4.75E-02	4.81E-02	4.84E-02	4.89E-02	4.86E-02	5.14E-02	5.18E-02	6.82E-04	1.19E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Moore County	37125	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	4.16E-07	1.63E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Moore County	37125	R	Chloroform	8.56E-02	8.57E-02	8.65E-02	8.84E-02	8.95E-02	9.06E-02	9.17E-02	1.04E-01	8.89E-09	6.53E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Moore County	37125	R	Chromium Compounds (includes Hexavalent)	7.35E-05	9.39E-05	1.20E-04	1.54E-04	1.66E-04	1.86E-04	2.62E-04	3.36E-04	1.48E-05	1.39E-04	1.11E-05	7.51E-07	0.00E+00
North Carolina	Moore County	37125	R	Chromium VI	3.56E-05	4.63E-05	4.95E-05	7.50E-05	7.54E-05	8.55E-05	1.34E-04	1.34E-04	5.20E-06	6.56E-05	4.42E-06	2.55E-07	0.00E+00
North Carolina	Moore County	37125	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 Carolina	Moore County	37125	R	1,4-Dichlorobenzene	3.28E-03	4.07E-03	4.65E-03	8.35E-03	1.04E-02	1.18E-02	1.52E-02	3.45E-02	2.37E-08	1.04E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	1,3-Dichloropropene	6.29E-03	7.90E-03	8.98E-03	1.64E-02	2.05E-02	2.32E-02	3.03E-02	6.95E-02	0.00E+00	2.05E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	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	3.38E-09	1.63E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Moore County	37125	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	2.23E-07	7.76E-06	0.00E+00	0.00E+00	6.10E-02
North Carolina	Moore County	37125	R	Ethylene Oxide	8.97E-05	1.11E-04	2.12E-04	5.22E-04	9.34E-04	1.32E-03	2.72E-03	3.39E-03	8.66E-06	9.25E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	Formaldehyde	3.58E-01	3.64E-01	4.10E-01	4.48E-01	4.59E-01	4.82E-01	5.37E-01	7.11E-01	2.43E-02	5.26E-02	9.53E-02	3.70E-02	2.50E-01
North Carolina	Moore County	37125	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.35E-05	9.38E-05	9.39E-05	9.43E-05	9.64E-05	5.57E-09	8.00E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Moore County	37125	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	9.06E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Moore County	37125	R	Hexamethylene Diisocyanate	0.00E+00	2.33E-06	2.91E-06	3.38E-06	6.62E-06	4.00E-06	2.32E-05	2.91E-05	1.57E-06	5.05E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	Hydrazine	1.90E-09	2.12E-09	4.65E-09	5.97E-09	8.09E-09	8.97E-09	1.25E-08	3.24E-08	0.00E+00	8.09E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	Lead Compounds	2.31E-04	2.40E-04	3.10E-04	4.63E-04	5.39E-04	5.54E-04	1.06E-03	1.46E-03	6.78E-06	1.82E-04	0.00E+00	3.50E-04	0.00E+00
North Carolina	Moore County	37125	R	Manganese Compounds	1.14E-04	1.15E-04	1.28E-04	1.43E-04	2.06E-04	1.69E-04	4.83E-04	5.96E-04	3.13E-05	1.71E-04	3.55E-06	4.94E-07	0.00E+00
North Carolina	Moore County	37125	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.58E-03	4.03E-06	4.98E-06	1.69E-05	3.40E-06	1.50E-03
North Carolina	Moore County	37125	R	Methylene Chloride	1.66E-01	1.71E-01	1.76E-01	1.84E-01	2.04E-01	2.06E-01	2.17E-01	3.94E-01	2.79E-03	5.08E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Moore County	37125	R	Nickel Compounds	6.23E-05	7.32E-05	7.43E-05	8.08E-05	9.02E-05	9.92E-05	1.21E-04	1.37E-04	1.36E-05	6.74E-05	8.30E-06	8.66E-07	0.00E+00
North Carolina	Moore County	37125	R	Perchloroethylene	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.50E-01	1.60E-01	1.67E-01	2.00E-01	1.22E-04	1.59E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Moore County	37125	R	Polychlorinated Biphenyls	3.98E-04	4.04E-04	4.08E-04	4.38E-04	4.74E-04	4.90E-04	5.31E-04	7.87E-04	0.00E+00	9.36E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Moore County	37125	R	Polycyclic Organic Matter	1.43E-02	1.60E-02	2.28E-02	2.45E-02	2.61E-02	2.83E-02	3.04E-02	5.78E-02	5.44E-03	1.60E-02	3.90E-03	8.54E-04	0.00E+00
North Carolina	Moore County	37125	R	7-PAH	7.62E-04	7.86E-04	8.28E-04	9.59E-04	1.13E-03	1.22E-03	1.26E-03	1.27E-03	4.11E-07	1.09E-03	2.70E-05	9.00E-06	0.00E+00
North Carolina	Moore County	37125	R	Propylene Dichloride	1.33E-06	2.95E-06	3.70E-06	3.97E-06	4.40E-06	4.42E-06	6.54E-06	1.05E-05	0.00E+00	4.40E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	Quinoline	5.28E-08	9.01E-08	1.62E-07	1.81E-07	1.80E-07	1.96E-07	2.61E-07	3.45E-07	0.00E+00	1.80E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	1,1,1,2,2-Tetrachloroethane	6.58E-08	2.02E-07	6.10E-06	7.26E-06	9.15E-06	1.10E-05	1.72E-05	2.41E-05	0.00E+00	9.57E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Moore County	37125	R	Trichloroethylene	8.34E-02	8.37E-02	8.39E-02	8.57E-02	8.84E-02	8.75E-02	9.01E-02	1.20E-01	4.51E-04	6.99E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Moore County	37125	R	Vinyl Chloride	3.63E-06	7.36E-06	2.38E-05	2.94E-05	3.14E-05	3.71E-05	4.55E-05	7.10E-05	0.00E+00	3.14E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Acetaldehyde	9.37E-02	1.24E-01	1.40E-01	1.56E-01	1.94E-01	2.46E-01	3.11E-01	3.90E-01	1.31E-02	1.12E-02	1.47E-01	2.28E-02	0.00E+00
North Carolina	Nash County	37127	U	Acrolein	2.03E-02	2.58E-02	2.96E-02	3.42E-02	3.79E-02	4.01E-02	6.69E-02	6.73E-02	2.09E-03	8.31E-03	2.41E-02	3.38E-03	0.00E+00
North Carolina	Nash County	37127	U	Acrylonitrile	4.79E-05	6.76E-05	1.10E-04	1.45E-04	2.12E-04	2.55E-04	3.98E-04	8.54E-04	3.81E-06	2.08E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Arsenic Compounds	1.58E-05	2.08E-05	3.13E-05	3.81E-05	8.88E-05	4.66E-05	1.31E-04	8.10E-04	4.74E-05	1.18E-05	2.30E-05	6.73E-06	0.00E+00
North Carolina	Nash County	37127	U	Benzene	6.38E-01	6.94E-01	7.54E-01	8.55E-01	8.96E-01	9.08E-01	1.26E+00	1.62E+00	1.18E-03	7.91E-02	2.81E-01	5.53E-02	4.80E-01
North Carolina	Nash County	37127	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 Carolina	Nash County	37127	U	Beryllium Compounds	1.58E-05	1.98E-05	3.29E-05	1.04E-04	1.34E-04	1.99E-04	2.88E-04	3.36E-04	1.29E-04	4.69E-06	0.00E+00	1.09E-06	0.00E+00
North Carolina	Nash County	37127	U	1,3-Butadiene	5.21E-03	8.05E-03	1.21E-02	1.76E-02	2.54E-02	2.89E-02	5.99E-02	1.03E-01	3.59E-05	1.31E-03	1.80E-02	6.06E-03	0.00E+00
North Carolina	Nash County	37127	U	Cadmium Compounds	9.27E-06	1.16E-05	4.36E-05	6.29E-05	7.30E-05	1.07E-04	1.43E-04	1.49E-04	6.04E-05	1.16E-05	0.00E+00	1.09E-06	0.00E+00
North Carolina	Nash County	37127	U	Carbon Disulfide	4.78E-02	4.83E-02	4.86E-02	5.35E-02	5.83E-02	5.79E-02	6.55E-02	1.30E-01	3.11E-04	1.10E-02	0.00E+00	0.00E+00	4.70E-02
North Carolina	Nash County	37127	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.82E-01	6.97E-09	3.18E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Nash County	37127	U	Chloroform	8.69E-02	8.71E-02	8.89E-02	9.13E-02	9.45E-02	9.80E-02	1.08E-01	1.17E-01	1.39E-05	1.15E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Nash County	37127	U	Chromium Compounds (includes Hexavalent)	2.91E-04	3.27E-04	7.91E-04	1.81E-03	2.33E-03	3.45E-03	4.92E-03	5.90E-03	2.28E-03	3.97E-05	1.69E-05	1.06E-06	0.00E+00
North Carolina	Nash County	37127	U	Chromium VI	2.60E-04	3.16E-04	6.76E-04	1.78E-03	2.25E-03	3.41E-03	4.84E-03	5.77E-03	2.23E-03	1.46E-05	6.75E-06	3.60E-07	0.00E+00
North Carolina	Nash County	37127	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 Carolina	Nash County	37127	U	1,4-Dichlorobenzene	4.78E-03	5.82E-03	7.45E-03	9.82E-03	1.80E-02	2.40E-02	4.83E-02	5.09E-02	4.73E-07	1.80E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	1,3-Dichloropropene	9.18E-03	1.13E-02	1.43E-02	1.95E-02	3.61E-02	4.83E-02	9.80E-02	1.03E-01	0.00E+00	3.61E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	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	8.90E-08	3.88E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Nash County	37127	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	3.36E-06	2.08E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Nash County	37127	U	Ethylene Oxide	5.58E-05	6.43E-05	8.25E-05	2.64E-04	7.80E-04	9.69E-04	2.81E-03	4.48E-03	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Formaldehyde	3.76E-01	3.93E-01	4.21E-01	4.51E-01	4.93E-01	5.12E-01	6.97E-01	8.00E-01	1.59E-02	4.94E-02	1.32E-01	4.52E-02	2.50E-01
North Carolina	Nash County	37127	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.37E-05	9.39E-05	9.43E-05	9.53E-05	9.53E-05	0.00E+00	9.18E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Nash County	37127	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	1.78E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Nash County	37127	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-08	0.00E+00	2.09E-07	3.29E-07	0.00E+00	3.17E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Hydrazine	1.52E-09	1.85E-09	2.51E-09	5.67E-09	1.18E-07	4.21E-08	8.13E-07	1.81E-07	0.00E+00	1.18E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Lead Compounds	1.20E-04	1.38											

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Nash County	37127	U	7-PAH	6.24E-04	6.26E-04	6.35E-04	7.41E-04	9.21E-04	1.03E-03	1.73E-03	2.06E-03	5.85E-09	8.69E-04	4.05E-05	1.13E-05	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Propylene Dichloride	3.03E-06	4.04E-06	6.81E-06	8.47E-06	1.23E-05	1.24E-05	3.45E-05	4.75E-05	2.30E-07	1.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Quinoline	4.19E-08	4.94E-08	6.17E-08	9.04E-08	4.19E-07	2.79E-07	2.41E-06	2.43E-06	0.00E+00	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	1,1,2,2-Tetrachloroethane	2.01E-05	2.76E-05	4.57E-05	5.43E-05	5.36E-05	6.68E-05	7.24E-05	7.70E-05	2.11E-06	5.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Nash County	37127	U	Trichloroethylene	8.24E-02	8.34E-02	8.42E-02	8.70E-02	9.71E-02	1.03E-01	1.08E-01	2.01E-01	3.77E-06	1.61E-02	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Nash County	37127	U	Vinyl Chloride	5.14E-05	7.00E-05	1.16E-04	1.40E-04	1.45E-04	1.68E-04	2.35E-04	2.60E-04	5.20E-06	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Acetaldehyde	1.32E-01	1.77E-01	2.69E-01	3.38E-01	3.70E-01	3.83E-01	4.95E-01	7.06E-01	4.19E-02	4.33E-03	2.28E-01	9.63E-02	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Acrolein	2.25E-02	2.97E-02	4.22E-02	5.09E-02	5.19E-02	5.87E-02	6.43E-02	8.41E-02	3.73E-04	8.56E-03	3.44E-02	8.58E-03	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Acrylonitrile	4.70E-05	6.48E-05	8.74E-05	1.59E-04	1.66E-04	2.05E-04	2.28E-04	2.82E-04	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Arsenic Compounds	8.53E-05	1.12E-04	1.72E-04	2.43E-04	3.99E-04	3.14E-04	3.75E-04	5.27E-04	3.41E-04	1.34E-05	3.07E-05	1.38E-05	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Benzene	7.73E-01	8.75E-01	9.82E-01	1.08E+00	1.18E+00	1.25E+00	1.40E+00	2.02E+00	1.32E-02	9.84E-02	4.60E-01	1.28E-01	4.80E-01	4.80E-01
North Carolina	New Hanover County	37129	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 Carolina	New Hanover County	37129	R	Beryllium Compounds	4.29E-06	5.45E-06	6.59E-06	1.05E-05	1.03E-05	1.35E-05	1.49E-05	1.56E-05	4.31E-06	5.84E-06	0.00E+00	1.54E-07	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	1,3-Butadiene	1.35E-02	1.45E-02	2.50E-02	3.52E-02	4.64E-02	4.63E-02	7.12E-02	1.33E-01	2.52E-07	8.76E-04	3.41E-02	1.15E-02	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Cadmium Compounds	1.32E-05	1.86E-05	2.48E-05	3.77E-05	3.99E-05	4.47E-05	4.86E-05	6.09E-05	2.34E-05	1.56E-05	0.00E+00	9.24E-07	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Carbon Disulfide	4.89E-02	4.93E-02	4.97E-02	5.07E-02	5.06E-02	5.13E-02	5.18E-02	5.22E-02	1.69E-03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	New Hanover County	37129	R	Carbon Tetrachloride	8.82E-01	8.82E-01	8.82E-01	8.83E-01	8.83E-01	8.83E-01	8.83E-01	8.83E-01	2.22E-03	2.95E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	New Hanover County	37129	R	Chloroform	1.46E-01	1.61E-01	1.73E-01	1.94E-01	1.87E-01	2.05E-01	2.23E-01	2.05E-01	7.08E-02	3.35E-02	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	New Hanover County	37129	R	Chromium Compounds (includes Hexavalent)	9.30E-04	1.29E-03	1.75E-03	2.41E-03	2.36E-03	2.90E-03	3.20E-03	3.41E-03	4.39E-05	2.29E-03	2.60E-05	4.27E-06	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Chromium VI	3.11E-04	4.39E-04	5.88E-04	8.17E-04	8.03E-04	9.86E-04	1.08E-03	1.16E-03	1.80E-05	7.73E-04	1.45E-05	1.45E-06	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	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 Carolina	New Hanover County	37129	R	1,4-Dichlorobenzene	9.77E-03	1.58E-02	2.31E-02	2.79E-02	3.01E-02	3.08E-02	4.15E-02	4.39E-02	1.19E-06	3.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	1,3-Dichloropropene	1.52E-02	1.78E-02	4.09E-02	4.72E-02	5.26E-02	5.79E-02	7.75E-02	8.24E-02	8.96E-03	4.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.78E-06	2.25E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Carolina	New Hanover County	37129	R	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	1.88E-04	1.62E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	New Hanover County	37129	R	Ethylene Oxide	1.27E-04	1.99E-04	3.12E-04	6.11E-04	1.08E-03	1.04E-03	2.26E-03	4.85E-03	0.00E+00	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Formaldehyde	4.01E-01	4.64E-01	5.91E-01	6.83E-01	7.28E-01	7.62E-01	9.42E-01	1.81E+00	1.05E-01	2.98E-02	2.03E-01	1.39E-01	2.50E-01	2.50E-01
North Carolina	New Hanover County	37129	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	9.32E-05	0.00E+00	1.21E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	New Hanover County	37129	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.62E-07	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	New Hanover County	37129	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 Carolina	New Hanover County	37129	R	Hydrazine	3.24E-09	5.17E-09	7.09E-09	1.05E-08	1.37E-08	1.83E-08	2.57E-08	3.21E-08	0.00E+00	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Lead Compounds	2.90E-04	3.67E-04	5.48E-04	1.19E-03	1.32E-03	1.65E-03	2.35E-03	2.67E-03	8.50E-05	1.30E-04	0.00E+00	1.11E-03	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Manganese Compounds	3.01E-04	4.09E-04	5.74E-04	7.28E-04	7.61E-04	8.97E-04	1.01E-03	1.12E-03	4.98E-04	2.46E-04	8.42E-06	8.17E-06	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Mercury Compounds	1.59E-03	1.62E-03	1.68E-03	1.79E-03	1.79E-03	1.86E-03	1.99E-03	2.13E-03	2.31E-04	1.92E-05	3.00E-05	1.34E-05	1.50E-03	1.50E-03
North Carolina	New Hanover County	37129	R	Methylene Chloride	1.87E-01	1.97E-01	2.22E-01	2.67E-01	2.74E-01	3.11E-01	3.48E-01	3.94E-01	2.69E-02	9.74E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	New Hanover County	37129	R	Nickel Compounds	7.85E-04	1.08E-03	1.48E-03	2.15E-03	3.14E-03	2.97E-03	3.61E-03	3.87E-03	2.37E-03	5.94E-04	1.94E-05	1.52E-04	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Perchloroethylene	1.56E-01	1.63E-01	1.69E-01	1.93E-01	2.07E-01	2.20E-01	2.80E-01	3.31E-01	9.04E-04	6.64E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	New Hanover County	37129	R	Polychlorinated Biphenyls	3.92E-04	3.93E-04	3.95E-04	3.96E-04	3.97E-04	3.99E-04	3.99E-04	4.05E-04	2.98E-06	1.40E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	New Hanover County	37129	R	Polycyclic Organic Matter	1.76E-02	2.70E-02	3.52E-02	3.88E-02	4.28E-02	4.90E-02	6.25E-02	7.21E-02	6.72E-04	2.99E-02	9.31E-03	2.95E-03	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	7-PAH	6.08E-04	8.16E-04	9.18E-04	1.01E-03	1.24E-03	1.43E-03	1.74E-03	2.43E-03	5.91E-09	1.13E-03	5.85E-05	5.07E-05	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Propylene Dichloride	2.97E-06	3.88E-06	5.37E-06	8.53E-06	8.89E-06	1.01E-05	1.07E-05	1.31E-05	0.00E+00	8.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Quinoline	1.05E-07	1.23E-07	1.50E-07	1.98E-07	2.23E-07	2.79E-07	3.19E-07	3.53E-07	0.00E+00	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	1,1,2,2-Tetrachloroethane	1.21E-05	1.60E-05	2.22E-05	2.97E-05	3.84E-05	3.54E-05	3.82E-05	4.44E-05	0.00E+00	3.84E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	New Hanover County	37129	R	Trichloroethylene	8.45E-02	8.53E-02	8.76E-02	9.32E-02	9.53E-02	1.02E-01	1.08E-01	1.10E-01	1.10E-01	4.70E-04	1.38E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	New Hanover County	37129	R	Vinyl Chloride	3.35E-05	4.42E-05	6.12E-05	8.06E-05	1.02E-04	9.68E-05	1.05E-04	1.21E-04	5.85E-07	1.02E-04	4.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Acetaldehyde	1.10E-01	1.10E-01	1.40E-01	1.71E-01	1.70E-01	2.00E-01	2.28E-01	2.28E-01	9.84E-02	2.01E-02	4.48E-02	6.49E-03	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Acrolein	1.10E-02	1.10E-02	1.20E-02	1.32E-02	1.43E-02	1.67E-02	2.00E-02	2.00E-02	1.78E-03	5.30E-03	6.44E-03	8.30E-04	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Acrylonitrile	3.74E-05	3.74E-05	4.48E-05	5.74E-05	5.51E-05	6.55E-05	6.84E-05	6.84E-05	0.00E+00	5.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Arsenic Compounds	9.69E-06	9.69E-06	1.02E-05	1.18E-05	1.44E-05	1.87E-05	2.45E-05	2.45E-05	2.46E-06	2.59E-06	7.67E-06	1.72E-06	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Benzene	5.48E-01	5.48E-01	5.56E-01	5.65E-01	5.65E-01	5.65E-01	7.04E-01	7.04E-01	4.08E-03	3.21E-02	6.88E-02	1.05E-02	4.80E-01	4.80E-01
North Carolina	Northampton County	37131	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 Carolina	Northampton County	37131	R	Beryllium Compounds	5.09E-07	5.09E-07	6.48E-07	8.64E-07	8.12E-07	9.76E-07	1.01E-06	1.01E-06	1.04E-07	4.35E-07	0.00E+00	2.73E-07	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	1,3-Butadiene	2.81E-03	2.81E-03	3.15E-03	3.52E-03	3.62E-03	6.02E-03	8.90E-03	1.42E-02	0.00E+00	1.36E-03	4.06E-03	6.07E-04	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R</															

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Northampton County	37131	R	Ethylene Oxide	2.35E-05	2.35E-05	2.65E-05	3.27E-05	3.17E-05	3.68E-05	3.78E-05	3.78E-05	0.00E+00	3.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Formaldehyde	3.64E-01	3.64E-01	3.67E-01	3.91E-01	3.98E-01	4.29E-01	4.44E-01	4.44E-01	6.13E-02	3.79E-02	3.73E-02	1.13E-02	2.50E-01	0.00E+00
North Carolina	Northampton County	37131	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.37E-05	9.37E-05	9.39E-05	9.40E-05	9.40E-05	9.46E-09	6.45E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Northampton County	37131	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	1.37E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Northampton County	37131	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 Carolina	Northampton County	37131	R	Hydrazine	2.35E-10	2.35E-10	2.97E-10	3.58E-10	3.82E-10	4.67E-10	5.76E-10	5.76E-10	0.00E+00	3.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Lead Compounds	2.37E-04	2.37E-04	2.38E-04	2.38E-04	2.71E-04	3.05E-04	3.71E-04	3.71E-04	2.18E-05	1.27E-04	0.00E+00	1.23E-04	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Manganese Compounds	1.24E-04	1.24E-04	1.56E-04	2.49E-04	2.49E-04	3.41E-04	3.72E-04	3.72E-04	1.13E-04	1.34E-04	1.51E-06	1.70E-07	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	3.72E-07	1.13E-06	8.93E-06	1.79E-06	1.50E-03	0.00E+00
North Carolina	Northampton County	37131	R	Methylene Chloride	1.57E-01	1.57E-01	1.58E-01	1.59E-01	1.59E-01	1.60E-01	1.61E-01	1.61E-01	6.88E-05	9.00E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Northampton County	37131	R	Nickel Compounds	2.05E-05	2.05E-05	2.25E-05	3.65E-05	5.92E-05	9.59E-05	1.43E-04	1.43E-04	2.90E-05	2.63E-05	3.57E-06	3.06E-07	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Perchloroethylene	1.42E-01	1.42E-01	1.42E-01	1.43E-01	1.43E-01	1.43E-01	1.44E-01	1.44E-01	8.78E-05	2.83E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Northampton County	37131	R	Polychlorinated Biphenyls	3.97E-04	3.97E-04	3.97E-04	3.99E-04	4.01E-04	4.05E-04	4.10E-04	4.10E-04	8.24E-10	2.12E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Northampton County	37131	R	Polycyclic Organic Matter	4.86E-03	4.86E-03	4.89E-03	5.21E-03	6.82E-03	8.74E-03	1.20E-02	1.20E-02	1.37E-06	5.00E-03	1.62E-03	2.02E-04	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	7-PAH	3.78E-04	3.78E-04	3.83E-04	3.91E-04	4.51E-04	5.18E-04	6.43E-04	6.43E-04	8.99E-10	4.35E-04	1.22E-05	2.98E-06	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Propylene Dichloride	2.00E-06	2.00E-06	3.06E-06	1.09E-03	1.62E-03	3.24E-03	4.31E-03	4.31E-03	1.62E-03	3.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Quinoline	5.20E-09	5.20E-09	5.65E-09	7.23E-09	1.09E-08	1.62E-08	2.41E-08	2.41E-08	0.00E+00	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	1,1,2,2-Tetrachloroethane	1.51E-05	1.51E-05	1.99E-05	2.79E-05	2.61E-05	3.23E-05	3.37E-05	3.37E-05	0.00E+00	2.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Northampton County	37131	R	Trichloroethylene	8.16E-02	8.16E-02	8.18E-02	8.19E-02	8.19E-02	8.20E-02	8.20E-02	8.20E-02	7.97E-05	7.92E-04	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Carolina	Northampton County	37131	R	Vinyl Chloride	3.77E-05	3.77E-05	4.20E-05	4.85E-05	5.28E-05	6.36E-05	7.67E-05	7.67E-05	2.38E-07	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Acetaldehyde	6.62E-02	7.38E-02	1.01E-01	1.33E-01	1.43E-01	1.83E-01	2.13E-01	2.36E-01	2.29E-04	1.11E-02	1.08E-01	2.29E-02	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Acrolein	1.45E-02	1.62E-02	2.02E-02	2.63E-02	2.56E-02	3.09E-02	3.27E-02	3.61E-02	8.05E-06	8.33E-03	1.44E-02	2.84E-03	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Acrylonitrile	2.53E-05	2.55E-05	4.82E-05	8.61E-05	2.55E-04	2.18E-04	2.60E-04	7.22E-04	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Arsenic Compounds	1.62E-05	1.77E-05	2.83E-05	3.98E-05	3.91E-05	4.45E-05	5.84E-05	7.70E-05	1.03E-05	6.79E-06	1.58E-05	6.22E-06	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Benzene	6.09E-01	6.11E-01	6.78E-01	8.03E-01	7.90E-01	8.53E-01	9.63E-01	1.04E+00	3.75E-05	5.09E-02	2.15E-01	4.40E-02	4.80E-01	0.00E+00
North Carolina	Onslow County	37133	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 Carolina	Onslow County	37133	R	Beryllium Compounds	1.22E-06	1.42E-06	2.82E-06	4.18E-06	4.46E-06	6.07E-06	7.77E-06	8.85E-06	1.43E-06	3.01E-06	0.00E+00	1.90E-08	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	1,3-Butadiene	5.78E-03	6.70E-03	1.16E-02	2.47E-02	2.27E-02	2.87E-02	3.99E-02	4.68E-02	6.69E-08	1.79E-03	1.78E-02	3.17E-03	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Cadmium Compounds	2.61E-06	2.66E-06	4.95E-06	6.12E-06	7.86E-06	8.22E-06	1.52E-05	2.25E-05	2.04E-06	5.79E-06	0.00E+00	2.05E-08	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.76E-02	4.74E-02	4.76E-02	4.96E-02	7.76E-06	5.75E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Onslow County	37133	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.00E-05	1.51E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Onslow County	37133	R	Chloroform	8.44E-02	8.49E-02	8.64E-02	8.83E-02	8.87E-02	9.24E-02	9.50E-02	9.24E-02	3.46E-05	5.69E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Onslow County	37133	R	Chromium Compounds (includes Hexavalent)	1.87E-05	2.38E-05	3.30E-05	4.02E-05	1.09E-04	5.54E-05	1.48E-04	8.05E-04	1.77E-05	7.83E-05	1.24E-05	4.81E-07	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Chromium VI	8.81E-06	1.13E-05	1.66E-05	2.12E-05	4.30E-05	2.92E-05	8.88E-05	2.68E-04	1.14E-05	2.65E-05	4.96E-06	1.64E-07	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	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 Carolina	Onslow County	37133	R	1,4-Dichlorobenzene	4.13E-03	4.30E-03	8.22E-03	1.49E-02	1.45E-02	1.97E-02	2.53E-02	2.85E-02	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	1,3-Dichloropropene	8.15E-03	8.42E-03	1.64E-02	3.00E-02	2.91E-02	3.98E-02	5.12E-02	5.79E-02	0.00E+00	2.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	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	1.17E-07	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Onslow County	37133	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	1.06E-07	2.61E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Onslow County	37133	R	Ethylene Oxide	2.82E-05	3.32E-05	6.14E-05	1.66E-04	4.67E-04	5.51E-04	7.66E-04	8.51E-04	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Formaldehyde	3.37E-01	3.38E-01	3.61E-01	4.13E-01	4.18E-01	4.58E-01	5.17E-01	5.33E-01	3.17E-04	3.16E-02	9.85E-02	3.77E-02	2.50E-01	0.00E+00
North Carolina	Onslow County	37133	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.35E-05	9.34E-05	9.36E-05	9.38E-05	9.38E-05	0.00E+00	4.45E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Carolina	Onslow County	37133	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	8.61E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Carolina	Onslow County	37133	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	3.18E-07	6.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Hydrazine	1.35E-13	1.47E-13	2.04E-12	1.08E-11	5.42E-11	3.46E-11	5.78E-11	9.35E-11	0.00E+00	5.42E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Lead Compounds	3.61E-05	5.78E-05	9.56E-05	1.31E-04	1.92E-04	2.61E-04	4.30E-04	5.27E-04	1.02E-05	1.22E-04	0.00E+00	5.97E-05	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Manganese Compounds	1.93E-05	2.65E-05	3.42E-05	4.56E-05	6.00E-05	8.08E-05	1.02E-04	1.70E-04	2.56E-05	2.98E-05	4.04E-06	5.82E-07	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.57E-03	5.49E-07	8.24E-06	1.63E-05	5.03E-06	1.50E-03	0.00E+00
North Carolina	Onslow County	37133	R	Methylene Chloride	1.60E-01	1.62E-01	1.71E-01	2.00E-01	2.11E-01	2.32E-01	2.61E-01	2.76E-01	5.25E-04	6.01E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Onslow County	37133	R	Nickel Compounds	6.12E-05	8.16E-05	9.96E-05	1.66E-04	2.39E-04	3.04E-04	4.10E-04	5.95E-04	1.61E-04	6.73E-05	9.24E-06	1.28E-06	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R	Perchloroethylene	1.52E-01	1.54E-01	1.62E-01	1.68E-01	1.90E-01	1.73E-01	1.85E-01	2.02E-01	3.08E-02	1.95E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Onslow County	37133	R	Polychlorinated Biphenyls	3.95E-04	3.97E-04	4.05E-04	4.41E-04	4.33E-04	4.55E-04	4.71E-04	4.80E-04	1.26E-07	5.28E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Onslow County	37133	R	Polycyclic Organic Matter	7.56E-03	8.07E-03	1.04E-02	1.85E-02	1.79E-02	2.30E-02	3.57E-02	2.16E-05	1.29E-02	4.41E-03	5.91E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Onslow County	37133	R</															

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Orange County	37135	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 Carolina	Orange County	37135	U	Beryllium Compounds	6.91E-06	8.01E-06	9.83E-06	1.52E-05	1.56E-05	1.88E-05	2.33E-05	3.24E-05	1.12E-05	4.29E-06	0.00E+00	1.81E-07	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	1,3-Butadiene	9.37E-03	1.19E-02	1.91E-02	4.05E-02	4.18E-02	5.91E-02	7.83E-02	8.76E-02	0.00E+00	1.31E-03	3.30E-02	7.45E-03	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Cadmium Compounds	1.12E-05	1.13E-05	1.32E-05	1.65E-05	4.88E-05	2.51E-05	3.58E-05	2.79E-04	3.58E-05	1.29E-05	0.00E+00	1.80E-07	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Carbon Disulfide	4.75E-02	4.75E-02	4.77E-02	4.82E-02	4.82E-02	4.86E-02	4.88E-02	4.90E-02	3.83E-05	1.18E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Orange County	37135	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	2.24E-08	2.85E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Orange County	37135	U	Chloroform	9.34E-02	9.59E-02	1.02E-01	1.21E-01	1.24E-01	1.41E-01	1.59E-01	1.62E-01	7.07E-07	4.09E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Orange County	37135	U	Chromium Compounds (includes Hexavalent)	1.84E-04	2.12E-04	2.36E-04	2.85E-04	6.84E-04	3.64E-04	5.22E-04	3.64E-03	5.87E-04	6.31E-05	3.25E-05	1.15E-06	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Chromium VI	1.00E-04	1.03E-04	1.35E-04	1.70E-04	5.62E-04	2.29E-04	3.57E-04	3.46E-03	5.20E-04	2.86E-05	1.30E-05	3.89E-07	0.00E+00	0.00E+00
North Carolina	Orange County	37135	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 Carolina	Orange County	37135	U	1,4-Dichlorobenzene	7.78E-03	8.91E-03	1.17E-02	2.29E-02	2.49E-02	3.37E-02	4.48E-02	4.61E-02	1.13E-06	2.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	1,3-Dichloropropene	1.44E-02	1.55E-02	2.27E-02	4.54E-02	4.93E-02	6.74E-02	9.02E-02	9.27E-02	0.00E+00	4.93E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	7.73E-03	4.81E-06	5.61E-08	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Orange County	37135	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	4.84E-06	1.16E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Orange County	37135	U	Ethylene Oxide	9.77E-04	1.01E-03	1.09E-03	1.53E-03	2.63E-03	2.88E-03	3.41E-03	6.59E-03	9.66E-04	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Formaldehyde	4.46E-01	4.81E-01	5.73E-01	7.20E-01	7.13E-01	8.48E-01	9.11E-01	9.91E-01	6.83E-02	3.72E-02	2.62E-01	9.58E-02	2.50E-01	0.00E+00
North Carolina	Orange County	37135	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.37E-05	9.38E-05	9.40E-05	9.44E-05	9.45E-05	0.00E+00	7.59E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Carolina	Orange County	37135	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	1.58E-07	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Carolina	Orange County	37135	U	Hexamethylene Diisocyanate	1.30E-07	1.30E-07	1.41E-07	7.33E-06	1.45E-05	2.16E-05	4.36E-05	6.16E-05	4.18E-06	1.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Hydrazine	6.73E-10	7.31E-10	9.47E-10	1.35E-09	1.82E-09	1.97E-09	4.63E-09	4.79E-09	0.00E+00	1.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Lead Compounds	4.68E-04	4.73E-04	4.81E-04	5.38E-04	5.65E-04	6.29E-04	6.89E-04	7.03E-04	4.80E-05	3.90E-04	0.00E+00	1.27E-04	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Manganese Compounds	2.31E-04	2.64E-04	4.57E-04	3.57E-04	4.90E-04	5.74E-04	6.20E-04	6.37E-04	1.87E-04	2.92E-04	1.03E-05	1.21E-06	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Mercury Compounds	1.55E-03	1.55E-03	1.58E-03	1.59E-03	1.61E-03	1.65E-03	1.68E-03	1.72E-03	4.87E-05	1.28E-05	3.91E-05	1.04E-05	1.50E-03	0.00E+00
North Carolina	Orange County	37135	U	Methylene Chloride	1.80E-01	1.81E-01	1.90E-01	2.35E-01	2.60E-01	2.68E-01	3.65E-01	4.03E-01	1.75E-04	1.09E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Orange County	37135	U	Nickel Compounds	1.07E-04	1.25E-04	1.48E-04	2.06E-04	2.03E-04	2.35E-04	2.97E-04	3.06E-04	9.91E-05	7.76E-05	2.40E-05	1.97E-06	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Perchloroethylene	1.60E-01	1.64E-01	1.71E-01	1.84E-01	1.85E-01	1.99E-01	2.05E-01	2.18E-01	7.94E-03	3.71E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Orange County	37135	U	Polychlorinated Biphenyls	4.08E-04	4.10E-04	4.32E-04	4.64E-04	4.71E-04	4.97E-04	5.47E-04	5.56E-04	0.00E+00	9.09E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Orange County	37135	U	Polycyclic Organic Matter	1.74E-02	1.76E-02	2.24E-02	3.61E-02	3.67E-02	4.69E-02	5.38E-02	5.42E-02	1.04E-03	2.30E-02	1.14E-02	1.36E-03	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	7-PAH	6.43E-04	6.72E-04	8.55E-04	1.01E-03	1.03E-03	1.14E-03	1.47E-03	1.54E-03	2.00E-10	9.39E-04	7.31E-05	1.47E-05	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Propylene Dichloride	7.63E-06	7.69E-06	8.90E-06	1.01E-05	1.05E-05	1.13E-05	1.31E-05	1.48E-05	5.77E-07	9.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Quinoline	1.63E-08	1.73E-08	1.87E-08	2.28E-08	2.64E-08	2.91E-08	3.76E-08	5.69E-08	0.00E+00	6.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	1,1,2,2-Tetrachloroethane	2.14E-05	2.77E-05	3.37E-05	3.73E-05	3.85E-05	4.06E-05	4.61E-05	4.63E-05	5.29E-06	3.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Orange County	37135	U	Trichloroethylene	8.39E-02	8.41E-02	8.58E-02	9.23E-02	9.42E-02	9.76E-02	1.04E-01	1.14E-01	2.56E-03	1.07E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Carolina	Orange County	37135	U	Vinyl Chloride	1.38E-04	1.45E-04	1.70E-04	1.85E-04	1.90E-04	1.97E-04	2.10E-04	2.93E-04	1.30E-05	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Acetaldehyde	5.85E-02	5.85E-02	5.85E-02	7.10E-02	7.10E-02	8.34E-02	8.34E-02	8.34E-02	3.98E-03	8.67E-03	1.98E-02	3.85E-02	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Acrolein	1.42E-02	1.42E-02	1.42E-02	1.60E-02	1.60E-02	1.78E-02	1.78E-02	1.78E-02	1.06E-04	5.70E-03	4.19E-03	5.99E-03	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Acrylonitrile	1.90E-05	1.90E-05	1.90E-05	2.11E-05	2.11E-05	2.33E-05	2.33E-05	2.33E-05	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Arsenic Compounds	2.71E-05	2.71E-05	2.71E-05	3.84E-05	3.84E-05	4.97E-05	4.97E-05	4.97E-05	2.33E-05	8.81E-06	3.18E-06	3.09E-06	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Benzene	6.24E-01	6.24E-01	6.24E-01	6.56E-01	6.56E-01	6.87E-01	6.87E-01	6.87E-01	2.80E-04	3.32E-02	3.66E-02	1.06E-01	4.80E-01	0.00E+00
North Carolina	Pamlico County	37137	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 Carolina	Pamlico County	37137	R	Beryllium Compounds	2.58E-06	2.58E-06	2.58E-06	6.69E-06	6.69E-06	1.08E-05	1.08E-05	1.08E-05	2.83E-06	3.84E-06	0.00E+00	2.46E-08	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	1,3-Butadiene	5.70E-03	5.70E-03	5.70E-03	7.69E-03	7.69E-03	9.68E-03	9.68E-03	9.68E-03	1.31E-06	1.59E-03	1.38E-03	4.72E-03	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Cadmium Compounds	1.11E-05	1.11E-05	1.11E-05	2.94E-05	2.94E-05	4.78E-05	4.78E-05	4.78E-05	9.41E-06	2.00E-05	0.00E+00	3.71E-08	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	Carbon Disulfide	4.73E-02	4.73E-02	4.73E-02	4.74E-02	4.74E-02	4.75E-02	4.75E-02	4.75E-02	1.51E-04	2.71E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Pamlico County	37137	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	1.94E-04	3.38E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Pamlico County	37137	R	Chloroform	8.57E-02	8.57E-02	8.57E-02	8.59E-02	8.59E-02	8.61E-02	8.61E-02	8.61E-02	6.26E-04	2.26E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Pamlico County	37137	R	Chromium Compounds (includes Hexavalent)	1.57E-05	1.57E-05	1.57E-05	1.10E-04	1.10E-04	2.05E-04	2.05E-04	9.83E-06	9.74E-05	2.15E-06	8.91E-07	0.00E+00	0.00E+00	
North Carolina	Pamlico County	37137	R	Chromium VI	7.22E-06	7.22E-06	7.22E-06	1.16E-05	1.16E-05	1.60E-05	1.60E-05	1.60E-05	4.83E-06	5.63E-06	8.44E-07	3.03E-07	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	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 Carolina	Pamlico County	37137	R	1,4-Dichlorobenzene	2.50E-03	2.50E-03	2.50E-03	2.92E-03	2.92E-03	3.35E-03	3.35E-03	3.35E-03	0.00E+00	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	R	1,3-Dichloropropene	4.75E-03	4.75E-03	4.75E-03	5.62E-03	5.62E-03	6.50E-03	6.50E-03	6.50E-03	0.00E+00	5.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pamlico County	37137	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	4.38E-08	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Pamlico County	37137	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	2.23E-06	2.35E-06	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Pamlico County	37137	R															

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Pamlico County	37137	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	3.86E-05	4.60E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Pamlico County	37137	R	Polychlorinated Biphenyls	4.01E-04	4.01E-04	4.01E-04	4.04E-04	4.04E-04	4.08E-04	4.08E-04	4.08E-04	0.00E+00	2.44E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Pamlico County	37137	R	Polycyclic Organic Matter	5.65E-03	5.65E-03	5.65E-03	6.82E-03	6.82E-03	7.98E-03	7.98E-03	7.98E-03	2.57E-04	5.21E-03	7.78E-04	5.75E-04	0.00E+00	
North Carolina	Pamlico County	37137	R	7-PAH	4.02E-04	4.02E-04	4.02E-04	4.97E-04	4.97E-04	5.92E-04	5.92E-04	5.92E-04	7.99E-06	4.56E-04	5.45E-06	2.76E-05	0.00E+00	
North Carolina	Pamlico County	37137	R	Propylene Dichloride	9.54E-07	9.54E-07	9.54E-07	1.28E-06	1.28E-06	1.61E-06	1.61E-06	1.61E-06	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pamlico County	37137	R	Quinoline	2.25E-08	2.25E-08	2.25E-08	4.53E-08	4.53E-08	6.81E-08	6.81E-08	6.81E-08	0.00E+00	4.53E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pamlico County	37137	R	1,1,2,2-Tetrachloroethane	3.72E-06	3.72E-06	3.72E-06	5.21E-06	5.21E-06	6.70E-06	6.70E-06	6.70E-06	0.00E+00	5.21E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pamlico County	37137	R	Trichloroethylene	8.18E-02	8.18E-02	8.18E-02	8.19E-02	8.19E-02	8.20E-02	8.20E-02	8.20E-02	1.10E-04	7.77E-04	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Pamlico County	37137	R	Vinyl Chloride	3.33E-05	3.33E-05	3.33E-05	4.00E-05	4.00E-05	4.67E-05	4.67E-05	4.67E-05	2.51E-05	1.49E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	Acetaldehyde	6.04E-02	6.04E-02	8.51E-02	1.18E-01	1.13E-01	1.41E-01	1.67E-01	1.67E-01	1.34E-02	1.16E-02	6.32E-02	2.45E-02	0.00E+00	
North Carolina	Pasquotank County	37139	R	Acrolein	1.05E-02	1.05E-02	1.47E-02	1.98E-02	2.00E-02	2.39E-02	3.10E-02	3.10E-02	1.23E-04	6.58E-03	8.82E-03	4.50E-03	0.00E+00	
North Carolina	Pasquotank County	37139	R	Acrylonitrile	3.24E-05	3.24E-05	7.01E-05	9.37E-05	3.17E-04	3.45E-04	1.33E-03	1.33E-03	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	Arsenic Compounds	1.44E-05	1.44E-05	2.20E-05	4.02E-05	4.25E-05	6.44E-05	8.00E-05	8.00E-05	8.84E-06	1.30E-05	1.52E-05	5.42E-06	0.00E+00	
North Carolina	Pasquotank County	37139	R	Benzene	6.11E-01	6.11E-01	6.51E-01	9.00E-01	8.65E-01	1.00E+00	1.22E+00	1.22E+00	2.75E-05	9.58E-02	1.95E-01	9.39E-02	4.80E-01	
North Carolina	Pasquotank County	37139	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 Carolina	Pasquotank County	37139	R	Beryllium Compounds	1.59E-06	1.59E-06	1.68E-06	4.34E-06	4.10E-06	5.08E-06	8.96E-06	8.96E-06	1.92E-09	4.09E-06	0.00E+00	5.44E-09	0.00E+00	
North Carolina	Pasquotank County	37139	R	1,3-Butadiene	5.82E-03	5.82E-03	9.36E-03	3.27E-02	2.84E-02	4.06E-02	6.18E-02	6.18E-02	0.00E+00	1.43E-03	2.06E-02	6.44E-03	0.00E+00	
North Carolina	Pasquotank County	37139	R	Cadmium Compounds	1.26E-06	1.26E-06	1.67E-06	4.54E-06	4.61E-06	6.25E-06	1.11E-05	1.11E-05	2.04E-09	4.59E-06	0.00E+00	1.13E-08	0.00E+00	
North Carolina	Pasquotank County	37139	R	Carbon Disulfide	4.73E-02	4.73E-02	4.81E-02	4.94E-02	4.89E-02	4.96E-02	5.00E-02	5.00E-02	8.91E-04	1.02E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Pasquotank County	37139	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.82E-01	8.82E-01	8.82E-01	8.82E-01	8.82E-01	1.28E-03	2.25E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Pasquotank County	37139	R	Chloroform	8.72E-02	8.72E-02	9.30E-02	1.11E-01	1.06E-01	1.17E-01	1.18E-01	1.18E-01	6.58E-03	1.60E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Pasquotank County	37139	R	Chromium Compounds (includes Hexavalent)	3.57E-05	3.57E-05	4.48E-05	4.81E-05	9.14E-05	6.27E-05	3.52E-04	3.52E-04	4.20E-05	3.72E-05	1.11E-05	9.82E-07	0.00E+00	
North Carolina	Pasquotank County	37139	R	Chromium VI	2.25E-05	2.25E-05	2.48E-05	2.83E-05	3.48E-05	3.32E-05	7.85E-05	7.85E-05	4.62E-06	2.75E-05	4.40E-06	3.82E-07	0.00E+00	
North Carolina	Pasquotank County	37139	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 Carolina	Pasquotank County	37139	R	1,4-Dichlorobenzene	2.21E-03	2.21E-03	4.45E-03	1.58E-02	1.28E-02	1.94E-02	2.59E-02	2.59E-02	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	1,3-Dichloropropene	4.37E-03	4.37E-03	8.74E-03	3.23E-02	2.58E-02	3.91E-02	5.25E-02	5.25E-02	0.00E+00	2.58E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	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	1.81E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Pasquotank County	37139	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	1.14E-04	4.02E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Pasquotank County	37139	R	Ethylene Oxide	1.48E-05	1.48E-05	3.05E-05	7.89E-05	7.86E-04	4.35E-03	4.35E-03	0.00E+00	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	Formaldehyde	3.10E-01	3.10E-01	3.50E-01	4.05E-01	4.02E-01	4.34E-01	5.22E-01	5.22E-01	1.90E-03	2.65E-02	8.54E-02	3.79E-02	2.50E-01	
North Carolina	Pasquotank County	37139	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.34E-05	9.39E-05	9.38E-05	9.42E-05	9.43E-05	9.43E-05	0.00E+00	7.67E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Pasquotank County	37139	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	1.30E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Pasquotank County	37139	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 Carolina	Pasquotank County	37139	R	Hydrazine	1.48E-09	1.48E-09	2.59E-09	3.33E-09	1.11E-08	4.07E-09	5.99E-08	5.99E-08	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	Lead Compounds	1.93E-04	1.93E-04	3.94E-04	5.12E-04	5.72E-04	6.18E-04	1.25E-03	1.25E-03	1.75E-05	7.74E-05	0.00E+00	4.77E-04	0.00E+00	
North Carolina	Pasquotank County	37139	R	Manganese Compounds	8.49E-05	8.49E-05	8.72E-05	9.91E-05	1.40E-04	1.16E-04	3.89E-04	3.89E-04	3.67E-05	9.94E-05	3.55E-06	6.85E-07	0.00E+00	
North Carolina	Pasquotank County	37139	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.53E-03	1.54E-03	1.58E-03	1.58E-03	3.45E-07	1.07E-05	1.59E-05	4.03E-06	1.50E-03	
North Carolina	Pasquotank County	37139	R	Methylene Chloride	1.56E-01	1.56E-01	1.63E-01	2.08E-01	2.20E-01	2.45E-01	3.60E-01	3.60E-01	1.10E-04	7.03E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Pasquotank County	37139	R	Nickel Compounds	4.64E-05	4.64E-05	5.89E-05	8.97E-05	1.18E-04	2.26E-04	2.32E-04	2.32E-04	2.63E-05	8.07E-05	8.38E-06	2.51E-06	0.00E+00	
North Carolina	Pasquotank County	37139	R	Perchloroethylene	1.51E-01	1.51E-01	1.59E-01	1.62E-01	1.65E-01	1.70E-01	1.81E-01	1.81E-01	1.22E-03	2.36E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Pasquotank County	37139	R	Polychlorinated Biphenyls	3.93E-04	3.93E-04	4.06E-04	4.84E-04	4.62E-04	5.14E-04	5.29E-04	5.29E-04	0.00E+00	8.21E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Pasquotank County	37139	R	Polycyclic Organic Matter	5.89E-03	5.89E-03	1.07E-02	2.41E-02	2.43E-02	3.81E-02	4.86E-02	4.86E-02	3.62E-09	1.93E-02	4.03E-03	9.19E-04	0.00E+00	
North Carolina	Pasquotank County	37139	R	7-PAH	3.05E-04	3.05E-04	5.96E-04	1.10E-03	1.13E-03	1.82E-03	2.05E-03	2.05E-03	0.00E+00	1.08E-03	2.58E-05	2.21E-05	0.00E+00	
North Carolina	Pasquotank County	37139	R	Propylene Dichloride	2.02E-06	2.02E-06	5.23E-06	1.36E-05	1.95E-05	1.71E-05	7.79E-05	7.79E-05	0.00E+00	1.95E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	Quinoline	2.87E-05	2.87E-05	3.18E-05	3.48E-05	3.62E-05	4.37E-05	4.64E-05	4.64E-05	0.00E+00	3.62E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	1,1,2,2-Tetrachloroethane	1.47E-05	1.47E-05	2.76E-05	4.55E-05	1.35E-04	8.85E-05	6.80E-04	6.80E-04	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pasquotank County	37139	R	Trichloroethylene	8.17E-02	8.17E-02	8.21E-02	8.35E-02	8.95E-02	9.32E-02	1.10E-01	1.10E-01	2.27E-04	8.31E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Pasquotank County	37139	R	Vinyl Chloride	3.67E-05	3.67E-05	7.42E-05	1.18E-04	3.35E-04	2.20E-04	1.68E-03	1.68E-03	0.00E+00	3.35E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pender County	37141	R	Acetaldehyde	1.17E-01	1.17E-01	1.44E-01	1.72E-01	1.89E-01	2.39E-01	3.08E-01	3.08E-01	6.66E-02	7.21E-03	9.71E-02	1.84E-02	0.00E+00	
North Carolina	Pender County	37141	R	Acrolein	1.53E-02	1.53E-02	2.08E-02	2.38E-02	2.29E-02	2.55E-02	2.89E-02	2.89E-02	6.32E-04	6.91E-03	1.29E-02	2.53E-03	0.00E+00	
North Carolina	Pender County	37141	R	Acrylonitrile	3.25E-05	3.25E-05	3.31E-05	4.43E-05	7.94E-05	1.55E-04	2.02E-04	2.02E-04	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pender County	37141	R	Arsenic Compounds	7.19E-05	7.19E-05	9.33E-05	1.44E-04	1.52E-04	1.64E-04	3.30E-04	3.30E-04	1.34E-04	4.37E-06	2.26E-06	0.00E+00	0.00E+00	
North Carolina	Pender County	37141	R	Benzene	5.78E-01	5.78E-01	6.65E-01	6.97E-01	6.95E-01	7.78E-01	7.78E-01	6.85E-03	4.65E-02	1.26E-01	3.49E-02	4.80E-01		
North Carolina	Pender County	37141	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 Carolina	Pender County	37141	R	Beryllium Compounds	2.75E-06	2.75E-06	3.46E-06	5.22E-06	6.74E-06	8.80E-06	1.61E-05	1.61E-05	5.78E-06	9.30E-07	0.00E+00	2.81E-08	0.00E+00	
North Carolina	Pender County	37141	R	1,3-Butadiene	4.57E-03	4.57E-03	5.72E-03	1.04E-02	1.01E-02	1.43E-02	1.44E-02	1.44E-02	1.09E-07	2.09E-03	6.17E-03	1.85E-03	0.00E+00	
North Carolina	Pender County	37141	R	Cadmium Compounds	8.													

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Pender County	37141	R	1,3-Dichloropropene	3.95E-03	3.95E-03	5.34E-03	7.89E-03	7.84E-03	9.84E-03	1.17E-02	1.17E-02	1.49E-04	7.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	2.99E-06	1.39E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Carolina	Pender County	37141	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.13E-02	6.13E-02	6.15E-02	6.17E-02	6.17E-02	3.09E-04	1.06E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Pender County	37141	R	Ethylene Oxide	3.81E-05	3.81E-05	6.69E-05	9.10E-05	9.20E-05	1.12E-04	1.58E-04	1.58E-04	0.00E+00	9.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Formaldehyde	3.80E-01	3.80E-01	3.86E-01	4.16E-01	4.35E-01	4.71E-01	5.44E-01	5.44E-01	4.56E-02	3.47E-02	7.85E-02	2.64E-02	2.50E-01	2.50E-01
North Carolina	Pender County	37141	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	9.34E-05	9.34E-05	9.34E-05	0.00E+00	2.63E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Pender County	37141	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.73E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Pender County	37141	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 Carolina	Pender County	37141	R	Hydrazine	1.41E-09	1.41E-09	1.90E-09	2.98E-09	3.95E-09	7.08E-09	8.94E-09	8.94E-09	0.00E+00	3.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Lead Compounds	1.59E-04	1.59E-04	2.10E-04	2.23E-04	2.76E-04	3.37E-04	5.05E-04	5.05E-04	6.11E-05	2.01E-05	0.00E+00	1.95E-04	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Manganese Compounds	2.43E-04	2.43E-04	3.27E-04	6.58E-04	7.61E-04	1.28E-03	1.46E-03	1.46E-03	5.15E-04	2.43E-04	0.00E+00	2.50E-06	7.40E-07	0.00E+00
North Carolina	Pender County	37141	R	Mercury Compounds	1.58E-03	1.58E-03	1.58E-03	1.60E-03	1.62E-03	1.65E-03	1.73E-03	1.73E-03	1.05E-04	4.06E-06	1.33E-05	2.10E-06	1.50E-03	1.50E-03
North Carolina	Pender County	37141	R	Methylene Chloride	1.67E-01	1.67E-01	1.72E-01	1.75E-01	1.84E-01	1.91E-01	2.25E-01	2.25E-01	1.23E-02	2.14E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Pender County	37141	R	Nickel Compounds	5.73E-04	5.73E-04	7.96E-04	1.57E-03	1.50E-03	1.73E-03	2.69E-03	2.69E-03	1.19E-03	2.89E-04	6.00E-06	1.05E-05	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Perchloroethylene	1.45E-01	1.45E-01	1.46E-01	1.49E-01	1.48E-01	1.50E-01	1.52E-01	1.52E-01	1.97E-03	6.43E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	Pender County	37141	R	Polychlorinated Biphenyls	3.94E-04	3.94E-04	4.03E-04	4.15E-04	4.13E-04	4.25E-04	4.30E-04	4.30E-04	2.48E-06	3.07E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	Pender County	37141	R	Polycyclic Organic Matter	8.70E-03	8.70E-03	9.57E-03	1.19E-02	1.24E-02	1.49E-02	1.71E-02	1.71E-02	9.80E-04	8.24E-03	2.75E-03	4.77E-04	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	7-PAH	4.96E-04	4.96E-04	5.74E-04	5.87E-04	6.51E-04	8.00E-04	8.23E-04	8.23E-04	6.38E-09	6.21E-04	2.01E-05	1.05E-05	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Propylene Dichloride	2.14E-06	2.14E-06	2.29E-06	3.35E-06	5.27E-06	1.07E-05	1.23E-05	1.23E-05	0.00E+00	5.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Quinoline	6.72E-08	6.72E-08	7.87E-08	1.16E-07	1.30E-07	1.30E-07	2.49E-07	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	1,1,2,2-Tetrachloroethane	1.00E-05	1.00E-05	1.10E-05	1.68E-05	3.35E-05	7.19E-05	9.44E-05	9.44E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pender County	37141	R	Trichloroethylene	8.21E-02	8.21E-02	8.23E-02	8.27E-02	8.30E-02	8.38E-02	8.41E-02	8.41E-02	7.80E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Pender County	37141	R	Vinyl Chloride	2.74E-05	2.74E-05	3.01E-05	4.58E-05	8.70E-05	1.86E-04	2.37E-04	2.37E-04	6.36E-07	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Acetaldehyde	8.95E-02	8.95E-02	8.95E-02	9.30E-02	9.30E-02	9.65E-02	9.65E-02	9.65E-02	4.41E-02	7.88E-03	1.81E-02	2.29E-02	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Acrolein	1.05E-02	1.05E-02	1.05E-02	1.10E-02	1.10E-02	1.15E-02	1.15E-02	5.41E-04	4.21E-03	3.19E-03	3.07E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Arylonitrile	4.92E-05	4.92E-05	4.92E-05	6.95E-05	6.95E-05	8.98E-05	8.98E-05	0.00E+00	6.95E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Arsenic Compounds	2.25E-05	2.25E-05	2.25E-05	2.33E-05	2.33E-05	2.41E-05	2.41E-05	2.41E-05	1.42E-06	1.51E-05	3.82E-06	2.97E-06	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Benzene	6.05E-01	6.05E-01	6.05E-01	6.22E-01	6.22E-01	6.38E-01	6.38E-01	6.38E-01	1.43E-02	3.18E-02	3.69E-02	5.88E-02	4.80E-01	4.80E-01
North Carolina	Perquimans County	37143	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 Carolina	Perquimans County	37143	R	Beryllium Compounds	3.01E-06	3.01E-06	3.01E-06	3.01E-06	3.01E-06	3.01E-06	3.01E-06	3.01E-06	1.97E-07	2.81E-06	0.00E+00	2.16E-09	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	1,3-Butadiene	6.73E-03	6.73E-03	6.73E-03	6.74E-03	6.74E-03	6.74E-03	6.74E-03	6.74E-03	1.99E-11	1.41E-03	2.48E-03	2.85E-03	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Cadmium Compounds	2.08E-06	2.08E-06	2.08E-06	2.96E-06	2.96E-06	3.84E-06	3.84E-06	3.84E-06	9.32E-07	2.02E-06	0.00E+00	5.97E-09	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Carbon Disulfide	4.95E-02	4.95E-02	4.95E-02	5.02E-02	5.02E-02	5.09E-02	5.09E-02	5.09E-02	3.07E-03	1.31E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Perquimans County	37143	R	Carbon Tetrachloride	8.83E-01	8.83E-01	8.83E-01	8.85E-01	8.85E-01	8.86E-01	8.86E-01	8.86E-01	4.87E-03	2.83E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	Perquimans County	37143	R	Chloroform	1.03E-01	1.03E-01	1.03E-01	1.08E-01	1.08E-01	1.13E-01	1.13E-01	1.13E-01	2.28E-02	2.10E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Perquimans County	37143	R	Chromium Compounds (includes Hexavalent)	6.65E-05	6.65E-05	6.65E-05	9.02E-05	9.02E-05	1.14E-04	1.14E-04	1.14E-04	2.79E-05	5.95E-05	2.27E-06	4.79E-07	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Chromium VI	4.34E-05	4.34E-05	4.34E-05	5.02E-05	5.02E-05	5.70E-05	5.70E-05	5.70E-05	9.73E-06	3.94E-05	8.73E-07	1.63E-07	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	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 Carolina	Perquimans County	37143	R	1,4-Dichlorobenzene	2.46E-03	2.46E-03	2.46E-03	2.46E-03	2.46E-03	2.47E-03	2.47E-03	2.47E-03	0.00E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	1,3-Dichloropropene	4.88E-03	4.88E-03	4.88E-03	4.89E-03	4.89E-03	4.89E-03	4.89E-03	4.89E-03	0.00E+00	4.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	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	7.63E-09	4.22E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Carolina	Perquimans County	37143	R	Ethylene Dichloride	6.13E-02	6.13E-02	6.13E-02	6.14E-02	6.14E-02	6.15E-02	6.15E-02	6.15E-02	3.95E-04	1.07E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Perquimans County	37143	R	Ethylene Oxide	1.80E-05	1.80E-05	1.80E-05	2.12E-05	2.12E-05	2.44E-05	2.44E-05	2.44E-05	0.00E+00	2.12E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Formaldehyde	3.25E-01	3.25E-01	3.25E-01	3.28E-01	3.28E-01	3.31E-01	3.31E-01	3.31E-01	9.22E-03	2.47E-02	1.86E-02	2.57E-02	2.50E-01	2.50E-01
North Carolina	Perquimans County	37143	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.33E-05	9.33E-05	9.33E-05	9.33E-05	9.33E-05	0.00E+00	2.55E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Perquimans County	37143	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	1.48E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Perquimans County	37143	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 Carolina	Perquimans County	37143	R	Hydrazine	1.20E-09	1.20E-09	1.20E-09	2.87E-06	2.87E-06	5.74E-06	5.74E-06	5.74E-06	2.87E-06	8.05E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Lead Compounds	1.21E-04	1.21E-04	1.21E-04	1.27E-04	1.27E-04	1.34E-04	1.34E-04	1.34E-04	3.69E-06	2.58E-05	0.00E+00	9.78E-05	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Manganese Compounds	1.65E-04	1.65E-04	1.65E-04	1.92E-04	1.92E-04	2.19E-04	2.19E-04	2.19E-04	8.64E-06	1.82E-04	6.88E-07	3.66E-07	0.00E+00	0.00E+00
North Carolina	Perquimans County	37143	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-06	1.51E-06	4.43E-06	2.28E-06	1.50E-03	1.50E-03
North Carolina	Perquimans County	37143	R	Methylene Chloride	1.59E-01	1.59E-01	1.59E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	4.72E-04	9.23E-03	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Perquimans County	37143	R	Nickel Compounds	8.04E-05	8.04E-05	8.04E-05	1.18E-04	1.18E-04	1.55E-04	1.55E-04	1.55E-04	3.81E-05	7.62E-05	1.74E-06	1.48E-06	0.00E+00	0.00E+

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Person County	37145	R	Acrylonitrile	8.61E-05	8.61E-05	9.29E-05	1.88E-04	2.04E-04	3.03E-04	3.67E-04	3.67E-04	0.00E+00	2.04E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Arsenic Compounds	3.88E-04	3.88E-04	4.18E-04	5.71E-04	5.87E-04	7.60E-04	8.14E-04	8.14E-04	5.57E-04	9.97E-06	1.64E-05	3.40E-06	0.00E+00	
North Carolina	Person County	37145	R	Benzene	6.45E-01	6.45E-01	6.51E-01	7.11E-01	7.85E-01	9.74E-01	1.02E+00	1.02E+00	2.25E-04	8.61E-02	1.84E-01	3.48E-02	4.80E-01	
North Carolina	Person County	37145	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 Carolina	Person County	37145	R	Beryllium Compounds	4.09E-05	4.09E-05	4.42E-05	6.46E-05	6.28E-05	7.79E-05	8.48E-05	8.48E-05	6.05E-05	2.19E-06	0.00E+00	1.03E-07	0.00E+00	
North Carolina	Person County	37145	R	1,3-Butadiene	6.56E-03	6.56E-03	6.74E-03	8.27E-03	1.62E-02	3.10E-02	3.65E-02	3.65E-02	0.00E+00	2.09E-03	1.14E-02	2.77E-03	0.00E+00	
North Carolina	Person County	37145	R	Cadmium Compounds	3.42E-04	3.42E-04	5.91E-04	7.03E-04	7.44E-04	9.55E-04	1.17E-03	1.17E-03	7.30E-04	1.41E-05	0.00E+00	1.02E-07	0.00E+00	
North Carolina	Person County	37145	R	Carbon Disulfide	4.75E-02	4.75E-02	4.75E-02	4.77E-02	4.81E-02	4.87E-02	4.98E-02	4.98E-02	5.67E-05	1.07E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Person County	37145	R	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	6.17E-11	1.83E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Person County	37145	R	Chloroform	8.62E-02	8.62E-02	8.64E-02	8.85E-02	8.89E-02	9.09E-02	9.30E-02	9.30E-02	8.16E-06	5.91E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Person County	37145	R	Chromium Compounds (includes Hexavalent)	4.17E-03	4.17E-03	7.14E-03	8.01E-03	8.78E-03	1.16E-02	1.38E-02	1.38E-02	8.76E-03	1.47E-05	1.15E-05	4.67E-07	0.00E+00	
North Carolina	Person County	37145	R	Chromium VI	3.87E-03	3.87E-03	6.93E-03	7.70E-03	8.47E-03	1.12E-02	1.34E-02	1.34E-02	8.46E-03	7.01E-06	4.62E-06	1.59E-07	0.00E+00	
North Carolina	Person County	37145	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 Carolina	Person County	37145	R	1,4-Dichlorobenzene	5.03E-03	5.03E-03	5.55E-03	6.78E-03	9.84E-03	1.67E-02	1.82E-02	1.82E-02	0.00E+00	9.84E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	1,3-Dichloropropene	8.62E-03	8.62E-03	9.10E-03	1.21E-02	1.83E-02	3.22E-02	3.54E-02	3.54E-02	0.00E+00	1.83E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Ethylene Dibromide	7.73E-03	7.73E-03	7.75E-03	7.76E-03	7.77E-03	7.80E-03	7.80E-03	7.80E-03	6.75E-05	1.65E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Person County	37145	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	1.63E-05	2.26E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Person County	37145	R	Ethylene Oxide	8.85E-05	8.85E-05	1.42E-04	7.20E-04	6.14E-04	1.00E-03	1.01E-03	1.01E-03	3.74E-05	5.76E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Formaldehyde	3.68E-01	3.68E-01	3.87E-01	4.09E-01	4.31E-01	4.86E-01	5.25E-01	5.25E-01	1.24E-02	4.64E-02	1.00E-01	2.18E-02	2.50E-01	
North Carolina	Person County	37145	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.33E-05	9.37E-05	9.46E-05	9.46E-05	9.46E-05	0.00E+00	7.29E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Person County	37145	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.04E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Person County	37145	R	Hexamethylene Diisocyanate	2.68E-05	2.68E-05	4.01E-05	9.41E-05	1.44E-04	1.68E-04	4.43E-04	4.43E-04	0.00E+00	1.44E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Hydrazine	1.17E-09	1.17E-09	2.15E-09	2.15E-09	1.07E-08	1.66E-08	3.92E-08	3.92E-08	0.00E+00	1.07E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Lead Compounds	1.32E-04	1.32E-04	2.13E-04	3.16E-04	3.01E-04	3.86E-04	4.45E-04	4.45E-04	1.04E-04	1.45E-04	0.00E+00	5.23E-05	0.00E+00	
North Carolina	Person County	37145	R	Manganese Compounds	3.30E-04	3.30E-04	3.41E-04	4.36E-04	4.45E-04	5.40E-04	5.88E-04	5.88E-04	3.98E-04	4.31E-05	3.65E-06	3.64E-07	0.00E+00	
North Carolina	Person County	37145	R	Mercury Compounds	1.65E-03	1.65E-03	1.71E-03	1.78E-03	1.83E-03	1.87E-03	2.23E-03	2.23E-03	3.05E-04	7.78E-06	1.81E-05	2.80E-06	1.50E-03	
North Carolina	Person County	37145	R	Methylene Chloride	1.87E-01	1.87E-01	1.90E-01	2.02E-01	2.21E-01	2.67E-01	2.80E-01	2.80E-01	2.07E-02	5.08E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Person County	37145	R	Nickel Compounds	1.98E-04	1.98E-04	2.99E-04	4.17E-04	4.60E-04	6.50E-04	7.81E-04	7.81E-04	3.20E-04	1.31E-04	8.52E-06	6.13E-07	0.00E+00	
North Carolina	Person County	37145	R	Perchloroethylene	1.51E-01	1.51E-01	1.51E-01	1.57E-01	1.59E-01	1.67E-01	1.73E-01	1.73E-01	4.69E-03	1.64E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Person County	37145	R	Polychlorinated Biphenyls	4.10E-04	4.10E-04	4.13E-04	4.21E-04	4.68E-04	5.68E-04	5.73E-04	5.73E-04	0.00E+00	8.76E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Person County	37145	R	Polycyclic Organic Matter	1.23E-02	1.23E-02	1.44E-02	1.66E-02	2.15E-02	3.22E-02	3.71E-02	3.71E-02	8.05E-04	1.62E-02	4.08E-03	4.74E-04	0.00E+00	
North Carolina	Person County	37145	R	7-PAH	6.89E-04	6.89E-04	7.03E-04	7.73E-04	1.09E-03	1.94E-03	1.94E-03	1.94E-03	1.19E-09	1.05E-03	2.80E-05	6.57E-06	0.00E+00	
North Carolina	Person County	37145	R	Propylene Dichloride	5.92E-06	5.92E-06	7.60E-06	1.29E-05	1.33E-05	1.57E-05	2.50E-05	2.50E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Quinoline	4.85E-08	4.85E-08	7.31E-08	8.69E-08	9.85E-08	1.13E-07	1.83E-07	1.83E-07	0.00E+00	9.85E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	1,1,2,2-Tetrachloroethane	3.81E-05	3.81E-05	3.92E-05	6.27E-05	7.94E-05	8.06E-05	1.93E-04	1.93E-04	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Person County	37145	R	Trichloroethylene	8.31E-02	8.31E-02	8.39E-02	8.75E-02	8.88E-02	9.40E-02	9.71E-02	9.71E-02	1.41E-03	6.43E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Person County	37145	R	Vinyl Chloride	1.73E-04	1.73E-04	1.90E-04	2.58E-04	3.05E-04	3.87E-04	5.66E-04	5.66E-04	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pitt County	37147	U	Acetaldehyde	1.96E-01	1.98E-01	2.74E-01	4.33E-01	4.00E-01	5.09E-01	5.86E-01	5.86E-01	2.17E-01	4.61E-03	1.53E-01	2.56E-02	0.00E+00	
North Carolina	Pitt County	37147	U	Acrolein	2.23E-02	2.34E-02	2.97E-02	6.79E-02	9.00E-02	1.37E-01	1.65E-01	2.15E-01	5.53E-02	8.33E-03	2.19E-02	4.47E-03	0.00E+00	
North Carolina	Pitt County	37147	U	Acrylonitrile	9.30E-05	9.60E-05	1.56E-04	2.09E-04	2.53E-04	3.65E-04	4.63E-04	4.78E-04	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pitt County	37147	U	Arsenic Compounds	3.63E-05	4.00E-05	5.00E-05	6.08E-04	1.23E-03	2.04E-03	2.99E-03	4.14E-03	1.19E-03	6.16E-06	2.44E-05	6.47E-06	0.00E+00	
North Carolina	Pitt County	37147	U	Benzene	6.65E-01	6.69E-01	7.15E-01	8.52E-01	9.64E-01	1.17E+00	1.55E+00	1.58E+00	4.50E-02	7.02E-02	3.27E-01	4.18E-02	4.80E-01	
North Carolina	Pitt County	37147	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 Carolina	Pitt County	37147	U	Beryllium Compounds	2.94E-05	3.51E-05	4.36E-05	5.00E-05	6.60E-05	7.27E-05	8.80E-05	1.04E-04	6.34E-05	2.30E-06	0.00E+00	3.15E-07	0.00E+00	
North Carolina	Pitt County	37147	U	1,3-Butadiene	7.39E-03	8.06E-03	1.13E-02	2.04E-02	3.44E-02	5.44E-02	9.40E-02	1.04E-01	1.38E-03	1.14E-03	2.70E-02	4.85E-03	0.00E+00	
North Carolina	Pitt County	37147	U	Cadmium Compounds	1.73E-05	2.01E-05	2.99E-05	1.27E-04	2.16E-04	3.61E-04	6.00E-04	6.51E-04	2.11E-04	4.11E-06	0.00E+00	3.18E-07	0.00E+00	
North Carolina	Pitt County	37147	U	Carbon Disulfide	4.76E-02	4.77E-02	4.79E-02	4.84E-02	4.84E-02	4.92E-02	5.06E-02	5.21E-02	1.86E-04	1.86E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Pitt County	37147	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	1.06E-04	2.56E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Pitt County	37147	U	Chloroform	1.07E-01	1.17E-01	1.28E-01	1.68E-01	2.32E-01	2.66E-01	3.20E-01	3.97E-01	1.32E-01	1.77E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Pitt County	37147	U	Chromium Compounds (includes Hexavalent)	1.09E-04	1.85E-04	3.54E-04	1.53E-03	2.01E-03	2.87E-03	5.08E-03	5.43E-03	1.43E-03	5.64E-04	1.90E-05	6.49E-07	0.00E+00	
North Carolina	Pitt County	37147	U	Chromium VI	5.19E-05	7.71E-05	1.75E-04	5.41E-04	7.33E-04	1.01E-03	1.85E-03	1.86E-03	5.28E-04	1.97E-04	7.55E-06	2.21E-07	0.00E+00	
North Carolina	Pitt County	37147	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 Carolina	Pitt County	37147	U	1,4-Dichlorobenzene	5.44E-03	5.59E-03	7.00E-03	1.17E-02	1.88E-02	2.80E-02	4.55E-02	5.10E-02	3.36E-04	1.85E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pitt County	37147	U	1,3-Dichloropropene	1.01E-02	1.08E-02	1.33E-02	2.26E-02	3.76E-02	5.54E-02	9.13E-02	1.04E-01	0.00E+00	3.76E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Pitt County	37147	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.68E-09	2.66E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Pitt County	37147	U	Ethylene Dichloride	6.11E-02	6.12E-02	6.12E-02	6.14E-02	6.18E-02	6.18E-02	6.21E-02	6.25E-02	8.03E-04	2.55E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Pitt County	37147	U	Ethylene Oxide	1.29E-04	1.31E-04	1.82E-04											

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Pitt County	37147	U	Mercury Compounds	1.52E-03	1.53E-03	1.54E-03	1.58E-03	1.59E-03	1.62E-03	1.64E-03	1.69E-03	5.29E-05	9.21E-06	2.52E-05	5.60E-06	1.50E-03
North Carolina	Pitt County	37147	U	Methylene Chloride	1.99E-01	2.08E-01	2.33E-01	2.63E-01	4.00E-01	4.54E-01	7.08E-01	7.70E-01	1.57E-01	9.27E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Pitt County	37147	U	Nickel Compounds	1.67E-04	2.49E-04	2.91E-04	4.58E-04	4.61E-04	5.91E-04	7.02E-04	8.21E-04	4.04E-04	4.17E-05	1.42E-05	1.96E-06	0.00E+00
North Carolina	Pitt County	37147	U	Perchloroethylene	1.50E-01	1.51E-01	1.53E-01	1.60E-01	1.63E-01	1.68E-01	1.82E-01	1.88E-01	3.14E-04	2.22E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Pitt County	37147	U	Polychlorinated Biphenyls	4.09E-04	4.10E-04	4.16E-04	4.45E-04	4.58E-04	4.69E-04	5.58E-04	5.64E-04	0.00E+00	7.84E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Pitt County	37147	U	Polycyclic Organic Matter	1.27E-02	1.44E-02	2.11E-02	3.27E-02	3.71E-02	4.89E-02	6.55E-02	7.35E-02	1.22E-02	1.69E-02	6.71E-03	1.25E-03	0.00E+00
North Carolina	Pitt County	37147	U	7-PAH	5.31E-04	5.35E-04	5.74E-04	7.44E-04	7.98E-04	8.96E-04	1.34E-03	1.36E-03	2.44E-06	7.42E-04	4.41E-05	8.84E-06	0.00E+00
North Carolina	Pitt County	37147	U	Propylene Dichloride	5.18E-06	5.76E-06	9.07E-06	1.29E-05	1.37E-05	1.78E-05	2.16E-05	2.22E-05	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pitt County	37147	U	Quinoline	4.06E-08	9.53E-08	1.36E-07	1.80E-07	2.09E-07	2.03E-07	4.89E-07	4.96E-07	0.00E+00	2.09E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pitt County	37147	U	1,1,2,2-Tetrachloroethane	3.80E-05	3.86E-05	6.41E-05	7.79E-05	8.56E-05	9.92E-05	1.08E-04	1.67E-04	0.00E+00	8.56E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Pitt County	37147	U	Trichloroethylene	8.31E-02	8.36E-02	8.39E-02	8.59E-02	9.33E-02	1.00E-01	1.15E-01	1.25E-01	1.15E-03	1.11E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Pitt County	37147	U	Vinyl Chloride	1.18E-04	1.19E-04	1.56E-04	2.11E-04	2.27E-04	2.49E-04	2.79E-04	4.17E-04	1.09E-05	2.17E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Acetaldehyde	2.12E-01	2.12E-01	2.12E-01	2.35E-01	2.73E-01	3.71E-01	3.71E-01	3.71E-01	1.80E-02	1.27E-02	2.28E-01	1.34E-02	0.00E+00
North Carolina	Polk County	37149	R	Acrolein	3.80E-02	3.80E-02	3.80E-02	3.88E-02	4.18E-02	4.86E-02	4.86E-02	4.86E-02	2.82E-04	1.10E-02	2.71E-02	3.34E-03	0.00E+00
North Carolina	Polk County	37149	R	Acrylonitrile	1.97E-04	1.97E-04	1.97E-04	4.74E-04	3.85E-04	4.84E-04	4.84E-04	4.84E-04	7.03E-05	3.15E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Arsenic Compounds	5.36E-05	5.36E-05	5.36E-05	6.76E-05	8.18E-05	1.24E-04	1.24E-04	4.60E-05	9.99E-06	2.32E-05	2.64E-06	0.00E+00	
North Carolina	Polk County	37149	R	Benzene	7.80E-01	7.80E-01	7.80E-01	8.01E-01	8.62E-01	1.00E+00	1.00E+00	1.00E+00	5.02E-04	1.05E-01	2.50E-01	2.61E-02	4.80E-01
North Carolina	Polk County	37149	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 Carolina	Polk County	37149	R	Beryllium Compounds	4.66E-06	4.66E-06	4.66E-06	1.20E-05	1.53E-05	2.93E-05	2.93E-05	2.93E-05	1.35E-05	1.70E-06	0.00E+00	1.90E-07	0.00E+00
North Carolina	Polk County	37149	R	1,3-Butadiene	7.42E-03	7.42E-03	7.42E-03	1.08E-02	1.34E-02	2.22E-02	2.22E-02	2.22E-02	4.39E-06	2.08E-03	1.03E-02	1.07E-03	0.00E+00
North Carolina	Polk County	37149	R	Cadmium Compounds	6.28E-06	6.28E-06	6.28E-06	9.00E-06	9.12E-06	1.21E-05	1.21E-05	1.21E-05	5.14E-06	3.78E-06	0.00E+00	1.89E-07	0.00E+00
North Carolina	Polk County	37149	R	Carbon Disulfide	4.74E-02	4.74E-02	4.74E-02	4.76E-02	4.78E-02	4.84E-02	4.84E-02	4.84E-02	3.34E-05	1.67E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Polk County	37149	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	9.48E-06	1.09E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Polk County	37149	R	Chloroform	8.94E-02	8.94E-02	8.94E-02	9.08E-02	9.19E-02	9.56E-02	9.56E-02	9.56E-02	2.29E-04	8.69E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Polk County	37149	R	Chromium Compounds (includes Hexavalent)	3.56E-04	3.56E-04	3.56E-04	3.62E-04	4.14E-04	5.23E-04	5.23E-04	5.23E-04	7.27E-05	3.25E-04	1.58E-05	3.33E-07	0.00E+00
North Carolina	Polk County	37149	R	Chromium VI	2.29E-04	2.29E-04	2.29E-04	2.41E-04	3.04E-04	4.42E-04	4.42E-04	4.42E-04	5.51E-05	2.34E-04	6.28E-06	1.13E-07	0.00E+00
North Carolina	Polk County	37149	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 Carolina	Polk County	37149	R	1,4-Dichlorobenzene	6.28E-03	6.28E-03	6.28E-03	7.86E-03	8.23E-03	1.05E-02	1.05E-02	1.05E-02	6.84E-06	8.22E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	1,3-Dichloropropene	1.17E-02	1.17E-02	1.17E-02	1.49E-02	1.56E-02	2.01E-02	2.01E-02	2.01E-02	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.73E-08	2.38E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Polk County	37149	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	1.75E-05	6.57E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Polk County	37149	R	Ethylene Oxide	3.09E-04	3.09E-04	3.09E-04	3.32E-04	3.51E-04	4.12E-04	4.12E-04	4.12E-04	4.89E-06	3.46E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Formaldehyde	4.73E-01	4.73E-01	4.73E-01	4.86E-01	5.19E-01	5.98E-01	5.98E-01	5.98E-01	2.32E-02	4.97E-02	1.70E-01	2.59E-02	2.50E-01
North Carolina	Polk County	37149	R	Hexachlorobenzene	9.34E-05	9.34E-05	9.34E-05	9.36E-05	9.37E-05	9.42E-05	9.42E-05	9.42E-05	2.68E-08	6.97E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Polk County	37149	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	5.06E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Polk County	37149	R	Hexamethylene Diisocyanate	5.64E-08	5.64E-08	5.64E-08	9.63E-07	1.47E-06	3.38E-06	3.38E-06	3.38E-06	0.00E+00	1.47E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Hydrazine	5.24E-10	5.24E-10	5.24E-10	1.72E-09	2.44E-08	7.08E-08	7.08E-08	7.08E-08	0.00E+00	2.44E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Lead Compounds	1.60E-04	1.60E-04	1.60E-04	4.42E-04	4.42E-04	7.23E-04	7.23E-04	1.41E-04	9.14E-05	0.00E+00	2.10E-04	0.00E+00	
North Carolina	Polk County	37149	R	Manganese Compounds	2.79E-04	2.79E-04	2.79E-04	3.42E-04	4.33E-04	6.77E-04	6.77E-04	6.77E-04	1.08E-04	3.19E-04	4.90E-06	2.78E-07	0.00E+00
North Carolina	Polk County	37149	R	Mercury Compounds	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.57E-03	1.57E-03	1.57E-03	1.04E-05	4.94E-06	2.59E-05	2.42E-06	1.50E-03
North Carolina	Polk County	37149	R	Methylene Chloride	1.75E-01	1.75E-01	1.75E-01	1.81E-01	1.86E-01	2.02E-01	2.02E-01	2.02E-01	3.23E-04	3.58E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Polk County	37149	R	Nickel Compounds	1.41E-04	1.41E-04	1.41E-04	1.80E-04	1.98E-04	2.72E-04	2.72E-04	2.72E-04	3.69E-05	1.49E-04	1.17E-05	4.44E-07	0.00E+00
North Carolina	Polk County	37149	R	Perchloroethylene	1.50E-01	1.50E-01	1.50E-01	1.53E-01	1.54E-01	1.59E-01	1.59E-01	1.59E-01	1.29E-04	1.38E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Polk County	37149	R	Polychlorinated Biphenyls	4.09E-04	4.09E-04	4.09E-04	4.25E-04	4.48E-04	5.11E-04	5.11E-04	5.11E-04	2.01E-06	6.64E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Polk County	37149	R	Polycyclic Organic Matter	2.06E-02	2.06E-02	2.06E-02	2.25E-02	2.50E-02	3.19E-02	3.19E-02	3.19E-02	7.07E-05	1.89E-02	5.44E-03	5.69E-04	0.00E+00
North Carolina	Polk County	37149	R	7-PAH	1.14E-03	1.14E-03	1.14E-03	1.27E-03	1.38E-03	1.73E-03	1.73E-03	1.73E-03	3.22E-07	1.33E-03	3.95E-05	4.83E-06	0.00E+00
North Carolina	Polk County	37149	R	Propylene Dichloride	1.51E-05	1.51E-05	1.51E-05	3.34E-05	3.08E-05	4.38E-05	4.38E-05	4.38E-05	5.98E-06	2.48E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Quinoline	2.48E-08	2.48E-08	2.48E-08	7.86E-08	1.26E-07	2.76E-07	2.76E-07	2.76E-07	0.00E+00	1.26E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	1,1,2,2-Tetrachloroethane	4.79E-05	4.79E-05	4.79E-05	2.30E-04	1.70E-04	2.33E-04	2.33E-04	3.90E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Polk County	37149	R	Trichloroethylene	8.40E-02	8.40E-02	8.40E-02	8.44E-02	8.50E-02	8.67E-02	8.67E-02	8.67E-02	4.32E-04	3.58E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Polk County	37149	R	Vinyl Chloride	1.63E-04	1.63E-04	1.63E-04	7.65E-04	6.68E-04	1.07E-03	1.07E-03	1.07E-03	9.75E-05	5.70E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Acetaldehyde	9.71E-02	1.25E-01	1.86E-01	2.36E-01	3.41E-01	3.45E-01	8.02E-01	8.54E-01	7.40E-03	3.98E-02	2.65E-01	2.92E-02	0.00E+00
North Carolina	Randolph County	37151	U	Acrolein	1.95E-02	2.47E-02	3.43E-02	4.14E-02	4.99E-02	5.62E-02	9.36E-02	9.42E-02	9.54E-04	9.17E-03	3.45E-02	5.27E-03	0.00E+00
North Carolina	Randolph County	37151	U	Acrylonitrile	1.19E-04	1.19E-04	2.34E-04	3.39E-04	9.82E-04	5.97E-04	1.58E-03	2.87E-03	6.24E-05	9.20E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Arsenic Compounds	3.36E-05	3.46E-05	4.39E-05	5.60E-05	8.25E-05	9.52E-05	1.94E-04	2.07E-04	1.76E-05	2.82E-05	3.07E-05	6.04E-06	0.00E+00
North Carolina	Randolph County	37151	U	Benzene	6.42E-01	6.78E-01	7.89E-01	8.95E-01	1.02E+00	1.03E+00	1.68E+00	1.79E+00	1.70E-03	1.18E-01	3.72E-01	5.06E-02	4.80E-01
North Carolina	Randolph County	37151	U	Benzidine	9.15E-07	1.03E-06	3.02E-06	1.03E-05	3.								

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**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Randolph County	37151	U	Chromium VI	1.83E-04	2.59E-04	3.12E-04	5.08E-04	7.77E-04	1.05E-03	1.52E-03	2.31E-03	3.19E-04	4.49E-04	9.38E-06	2.51E-07	0.00E+00
North Carolina	Randolph County	37151	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 Carolina	Randolph County	37151	U	1,4-Dichlorobenzene	5.06E-03	5.67E-03	1.05E-02	1.70E-02	2.16E-02	2.54E-02	3.14E-02	5.31E-06	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	1,3-Dichloropropene	9.75E-03	1.07E-02	1.91E-02	3.10E-02	3.16E-02	4.02E-02	4.81E-02	6.18E-02	0.00E+00	3.16E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Ethylene Dichloride	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.71E-08	5.51E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Randolph County	37151	U	Ethylene Dibromide	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	7.49E-06	1.17E-04	0.00E+00	0.00E+00	6.10E-02
North Carolina	Randolph County	37151	U	Ethylene Oxide	9.69E-05	2.33E-04	3.93E-04	5.50E-04	5.81E-04	6.98E-04	1.02E-03	1.09E-03	1.82E-05	5.63E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Formaldehyde	3.89E-01	9.33E-01	4.52E-01	5.09E-01	5.81E-01	5.89E-01	9.40E-01	1.04E+00	2.61E-02	4.65E-02	2.05E-01	5.39E-02	2.50E-01
North Carolina	Randolph County	37151	U	Hexachlorobenzene	9.32E-05	9.33E-05	9.35E-05	9.39E-05	9.40E-05	9.43E-05	9.45E-05	9.50E-05	4.89E-10	9.50E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Randolph County	37151	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	1.49E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Randolph County	37151	U	Hexamethylene Diisocyanate	2.51E-05	2.91E-05	5.06E-05	1.12E-04	2.35E-04	2.78E-04	5.65E-04	6.92E-04	2.05E-07	2.35E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Hydrazine	1.19E-09	1.21E-09	2.06E-09	1.06E-08	2.20E-08	2.68E-08	8.13E-08	8.63E-08	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Lead Compounds	3.22E-04	4.33E-04	5.96E-04	7.85E-04	1.27E-03	1.39E-03	3.17E-03	3.72E-03	4.78E-04	5.92E-04	0.00E+00	2.03E-04	0.00E+00
North Carolina	Randolph County	37151	U	Manganese Compounds	2.20E-03	2.54E-03	3.13E-03	4.01E-03	9.41E-03	6.97E-03	2.93E-02	3.97E-02	7.01E-03	2.40E-03	7.33E-06	6.25E-07	0.00E+00
North Carolina	Randolph County	37151	U	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.56E-03	1.58E-03	1.64E-03	1.66E-03	1.00E-05	1.67E-05	3.22E-05	5.15E-06	1.50E-03
North Carolina	Randolph County	37151	U	Methylene Chloride	3.12E-01	3.32E-01	3.95E-01	6.22E-01	7.42E-01	8.16E-01	1.22E+00	1.62E+00	3.74E-01	2.18E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Randolph County	37151	U	Nickel Compounds	8.42E-05	9.05E-05	1.24E-04	2.02E-04	2.10E-04	2.50E-04	3.14E-04	4.56E-04	6.84E-05	1.23E-04	1.75E-05	1.04E-06	0.00E+00
North Carolina	Randolph County	37151	U	Perchloroethylene	1.48E-01	1.49E-01	1.59E-01	1.69E-01	1.76E-01	1.97E-01	1.99E-01	2.01E-01	2.83E-04	3.75E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Randolph County	37151	U	Polychlorinated Biphenyls	4.06E-04	4.13E-04	4.40E-04	4.86E-04	4.92E-04	5.34E-04	5.57E-04	6.17E-04	4.15E-11	1.12E-04	0.00E+00	0.00E+00	3.80E-04
North Carolina	Randolph County	37151	U	Polycyclic Organic Matter	2.09E-02	2.17E-02	3.26E-02	4.75E-02	4.50E-02	5.62E-02	6.44E-02	7.20E-02	1.17E-02	2.41E-02	8.24E-03	9.60E-04	0.00E+00
North Carolina	Randolph County	37151	U	7-PAH	7.42E-04	8.36E-04	1.03E-03	1.32E-03	1.36E-03	1.60E-03	1.89E-03	2.15E-03	3.79E-06	1.29E-03	5.58E-05	8.73E-06	0.00E+00
North Carolina	Randolph County	37151	U	Propylene Dichloride	9.94E-06	1.06E-05	2.29E-05	3.00E-05	6.91E-05	5.43E-05	7.56E-05	1.70E-04	3.66E-06	6.55E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Quinoline	2.91E-07	3.27E-07	4.75E-07	5.79E-07	1.51E-06	9.50E-07	3.79E-06	6.36E-06	0.00E+00	1.51E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	1,1,2,2-Tetrachloroethane	5.71E-05	6.27E-05	1.23E-04	1.68E-04	5.26E-04	3.51E-04	5.73E-04	1.44E-03	2.56E-05	5.00E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Randolph County	37151	U	Trichloroethylene	9.14E-02	9.25E-02	9.50E-02	1.08E-01	1.39E-01	1.26E-01	1.88E-01	2.30E-01	6.51E-05	5.80E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Randolph County	37151	U	Vinyl Chloride	1.33E-04	1.35E-04	3.14E-04	4.25E-04	1.25E-03	7.76E-04	1.43E-03	3.56E-03	6.25E-05	1.18E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	R	Acetaldehyde	8.84E-02	1.26E-01	1.57E-01	2.09E-01	2.08E-01	2.87E-01	2.88E-01	3.40E-01	4.43E-03	3.26E-02	1.12E-01	5.93E-02	0.00E+00
North Carolina	Richmond County	37153	R	Acrolein	1.77E-02	2.29E-02	2.40E-02	3.36E-02	3.16E-02	4.04E-02	4.06E-02	4.50E-02	8.38E-05	1.18E-02	1.65E-02	3.28E-03	0.00E+00
North Carolina	Richmond County	37153	R	Acrylonitrile	1.16E-04	1.18E-04	1.35E-04	1.91E-04	1.86E-04	2.21E-04	2.31E-04	2.85E-04	1.14E-04	1.76E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	R	Arsenic Compounds	1.94E-05	2.88E-05	3.96E-05	6.93E-05	6.50E-05	9.11E-05	9.60E-05	1.10E-04	6.03E-07	3.50E-05	1.77E-05	1.18E-05	0.00E+00
North Carolina	Richmond County	37153	R	Benzene	6.11E-01	6.50E-01	6.92E-01	8.19E-01	8.49E-01	9.78E-01	1.04E+00	1.24E+00	2.07E-05	1.06E-01	2.24E-01	3.88E-02	4.80E-01
North Carolina	Richmond County	37153	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 Carolina	Richmond County	37153	R	Beryllium Compounds	2.79E-06	3.21E-06	4.88E-06	6.05E-06	6.34E-06	8.59E-06	9.47E-06	9.88E-06	1.37E-07	5.48E-06	0.00E+00	7.16E-07	0.00E+00
North Carolina	Richmond County	37153	R	1,3-Butadiene	5.26E-03	7.07E-03	9.70E-03	1.95E-02	2.28E-02	3.28E-02	3.74E-02	5.92E-02	0.00E+00	2.40E-03	1.71E-02	3.28E-03	0.00E+00
North Carolina	Richmond County	37153	R	Cadmium Compounds	3.02E-06	3.18E-06	4.96E-06	6.87E-06	6.84E-06	8.14E-06	1.09E-05	1.11E-05	2.04E-07	5.92E-06	0.00E+00	7.15E-07	0.00E+00
North Carolina	Richmond County	37153	R	Carbon Disulfide	4.73E-02	4.73E-02	4.75E-02	4.79E-02	4.81E-02	4.86E-02	4.94E-02	4.96E-02	2.10E-07	1.13E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Richmond County	37153	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	3.63E-10	1.72E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Richmond County	37153	R	Chloroform	8.49E-02	8.52E-02	8.54E-02	8.67E-02	8.72E-02	8.85E-02	8.93E-02	9.16E-02	4.24E-09	4.18E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Richmond County	37153	R	Chromium Compounds (includes Hexavalent)	4.08E-05	9.90E-05	1.09E-04	1.30E-04	1.21E-04	1.40E-04	1.41E-04	1.45E-04	1.69E-06	1.05E-04	1.32E-05	6.18E-07	0.00E+00
North Carolina	Richmond County	37153	R	Chromium VI	2.96E-05	5.70E-05	6.06E-05	7.04E-05	6.72E-05	7.65E-05	7.79E-05	7.91E-05	9.25E-07	6.07E-05	5.28E-06	2.10E-07	0.00E+00
North Carolina	Richmond County	37153	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 Carolina	Richmond County	37153	R	1,4-Dichlorobenzene	2.91E-03	4.73E-03	6.21E-03	1.02E-02	1.18E-02	1.65E-02	1.90E-02	2.64E-02	1.76E-07	1.18E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	R	1,3-Dichloropropene	5.56E-03	9.11E-03	1.23E-02	2.03E-02	2.36E-02	3.33E-02	3.83E-02	5.34E-02	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	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	8.48E-11	1.38E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Richmond County	37153	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	2.49E-08	8.92E-06	0.00E+00	0.00E+00	6.10E-02
North Carolina	Richmond County	37153	R	Ethylene Oxide	9.47E-05	1.38E-04	1.84E-04	3.01E-04	4.56E-04	9.37E-04	9.50E-04	1.12E-03	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	R	Formaldehyde	3.70E-01	4.95E-01	5.35E-01	6.33E-01	6.08E-01	6.84E-01	7.12E-01	7.88E-01	1.05E-01	6.64E-02	1.06E-01	8.07E-02	2.50E-01
North Carolina	Richmond County	37153	R	Hexachlorobenzene	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.38E-05	9.40E-05	9.42E-05	9.51E-05	0.00E+00	7.72E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Richmond County	37153	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	3.42E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Richmond County	37153	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 Carolina	Richmond County	37153	R	Hydrazine	1.05E-09	1.46E-09	3.38E-09	1.98E-08	3.32E-08	6.35E-08	8.27E-08	1.31E-07	0.00E+00	3.32E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	R	Lead Compounds	2.74E-04	2.83E-04	2.86E-04	3.03E-04	4.72E-04	7.40E-04	7.71E-04	9.37E-04	1.76E-05	2.28E-04	0.00E+00	2.26E-04	0.00E+00
North Carolina	Richmond County	37153	R	Manganese Compounds	1.41E-04	1.86E-04	2.32E-04	2.40E-04	2.50E-04	2.86E-04	3.52E-04	6.82E-05	1.76E-04	4.18E-06	1.01E-06	0.00E+00	0.00E+00
North Carolina	Richmond County	37153	R	Mercury Compounds	1.51E-03	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.55E-03	1.55E-03	1.57E-03	1.50E-07	5.62E-06	1.87E-05	1.06E-05	1.50E-03
North Carolina	Richmond County	37153	R	Methylene Chloride	1.63E-01	1.71E-01	1.77E-01	1.94E-01	2.09E-01	2.37E-01	2.47E-01	3.10E-01	1.90E-03	5.67E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Richmond County	37153	R	Nickel Compounds	7.08E-05	8.25E-05	9.32E-05	1.17E-04	1.24E-04	1.80E-04	1.78E-04	1.79E-04	9.36E-06	1.04E-04	9.78E-06	1.62E-06	0.00E+00
North Carolina	Richmond County	37153	R	Perchloroethylene	1.44E												

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Richmond County	37153	R	Vinyl Chloride	1.13E-05	1.47E-05	1.81E-05	2.36E-05	2.27E-05	2.74E-05	2.84E-05	3.22E-05	0.00E+00	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Acetaldehyde	1.07E-01	1.16E-01	1.76E-01	2.20E-01	2.38E-01	3.11E-01	3.63E-01	4.00E-01	5.83E-02	1.25E-02	1.35E-01	3.26E-02	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Acrolein	1.80E-02	1.87E-02	2.45E-02	2.99E-02	2.96E-02	3.58E-02	4.28E-02	4.00E-02	2.31E-04	7.91E-03	1.96E-02	1.90E-03	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Acrylonitrile	6.09E-05	9.32E-05	1.73E-04	3.11E-04	3.24E-04	4.48E-04	5.75E-04	6.94E-04	1.04E-04	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Arsenic Compounds	1.05E-04	1.34E-04	1.68E-04	4.08E-04	1.07E-03	1.06E-03	2.13E-03	5.32E-03	1.04E-03	1.27E-05	1.87E-05	5.43E-06	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Benzene	6.17E-01	6.31E-01	6.92E-01	7.93E-01	8.09E-01	9.02E-01	1.05E+00	1.17E+00	1.29E-03	8.98E-02	2.16E-01	2.19E-02	4.80E-01	0.00E+00	
North Carolina	Robeson County	37155	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 Carolina	Robeson County	37155	R	Beryllium Compounds	1.42E-05	1.87E-05	2.27E-05	5.08E-05	1.18E-04	1.21E-04	2.32E-04	5.51E-04	1.14E-04	3.49E-06	0.00E+00	5.35E-07	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	1,3-Butadiene	4.44E-03	5.06E-03	6.55E-03	1.15E-02	1.57E-02	2.15E-02	3.73E-02	4.53E-02	6.92E-06	1.18E-03	1.27E-02	1.84E-03	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Cadmium Compounds	1.05E-05	1.34E-05	1.61E-05	3.40E-05	9.01E-05	8.93E-05	1.85E-04	4.39E-04	8.47E-05	4.86E-06	0.00E+00	5.33E-07	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Carbon Disulfide	4.72E-02	4.72E-02	4.74E-02	4.76E-02	4.81E-02	4.82E-02	4.96E-02	5.09E-02	7.79E-05	9.96E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Carolina	Robeson County	37155	R	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	9.86E-08	2.19E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
North Carolina	Robeson County	37155	R	Chloroform	8.52E-02	8.52E-02	8.61E-02	8.84E-02	8.95E-02	8.99E-02	9.85E-02	1.00E-01	4.37E-06	6.50E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Carolina	Robeson County	37155	R	Chromium Compounds (includes Hexavalent)	9.97E-04	1.17E-03	1.41E-03	2.94E-03	4.54E-03	5.24E-03	8.29E-03	1.64E-02	4.34E-03	1.87E-04	1.34E-05	3.93E-07	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Chromium VI	7.51E-04	9.29E-04	1.16E-03	2.52E-03	3.77E-03	4.49E-03	6.95E-03	1.33E-02	3.67E-03	9.46E-05	5.34E-06	1.34E-07	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	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 Carolina	Robeson County	37155	R	1,4-Dichlorobenzene	4.21E-03	4.44E-03	5.64E-03	9.02E-03	1.04E-02	1.15E-02	2.41E-02	2.48E-02	3.70E-08	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	1,3-Dichloropropene	8.23E-03	8.66E-03	1.09E-02	1.75E-02	2.04E-02	2.28E-02	4.85E-02	4.97E-02	0.00E+00	2.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	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	7.94E-08	1.30E-07	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
North Carolina	Robeson County	37155	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	8.33E-06	2.35E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Carolina	Robeson County	37155	R	Ethylene Oxide	7.00E-05	7.26E-05	2.21E-04	5.06E-04	9.35E-04	8.15E-04	1.23E-03	5.15E-03	2.65E-04	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Formaldehyde	5.18E-01	5.21E-01	5.51E-01	6.23E-01	6.76E-01	7.56E-01	9.32E-01	1.06E+00	2.06E-01	5.69E-02	1.14E-01	4.90E-02	2.50E-01	0.00E+00	
North Carolina	Robeson County	37155	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.35E-05	9.39E-05	9.40E-05	9.52E-05	9.57E-05	8.24E-09	8.53E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Carolina	Robeson County	37155	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	1.27E-07	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Carolina	Robeson County	37155	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.14E-06	8.94E-09	1.02E-05	1.23E-05	1.34E-06	8.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Hydrazine	2.89E-10	6.74E-10	1.12E-09	1.76E-09	3.00E-09	4.31E-09	7.89E-09	9.67E-09	0.00E+00	3.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Lead Compounds	2.20E-04	2.30E-04	3.37E-04	4.32E-04	7.22E-04	1.00E-03	1.63E-03	2.13E-03	2.69E-04	1.08E-04	0.00E+00	3.45E-04	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Manganese Compounds	5.78E-04	6.11E-04	7.11E-04	1.60E-03	3.58E-03	3.62E-03	6.92E-03	1.65E-02	3.46E-03	1.23E-04	4.19E-06	4.98E-07	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Mercury Compounds	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.58E-03	1.59E-03	1.67E-03	1.73E-03	3.03E-05	1.42E-05	2.03E-05	5.16E-06	1.50E-03	0.00E+00	
North Carolina	Robeson County	37155	R	Methylene Chloride	1.69E-01	1.71E-01	1.77E-01	1.89E-01	2.19E-01	2.19E-01	3.39E-01	4.21E-01	5.37E-03	6.36E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
North Carolina	Robeson County	37155	R	Nickel Compounds	2.34E-04	2.98E-04	3.45E-04	7.60E-04	1.72E-03	1.76E-03	3.34E-03	7.86E-03	1.63E-03	8.76E-05	1.00E-05	8.23E-07	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Perchloroethylene	1.45E-01	1.46E-01	1.47E-01	1.50E-01	1.52E-01	1.52E-01	1.62E-01	1.68E-01	7.36E-06	1.17E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
North Carolina	Robeson County	37155	R	Polychlorinated Biphenyls	4.13E-04	4.14E-04	4.18E-04	4.37E-04	4.79E-04	5.01E-04	6.49E-04	7.09E-04	7.70E-07	9.84E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
North Carolina	Robeson County	37155	R	Polycyclic Organic Matter	9.13E-03	1.03E-02	1.31E-02	2.06E-02	2.10E-02	2.30E-02	3.73E-02	4.19E-02	6.60E-05	1.57E-02	4.65E-03	5.69E-04	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	7-PAH	5.79E-04	6.13E-04	7.16E-04	9.97E-04	1.08E-03	1.17E-03	1.85E-03	2.08E-03	1.43E-08	1.04E-03	3.26E-05	4.80E-06	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Propylene Dichloride	3.36E-06	4.19E-06	6.96E-06	9.58E-06	1.24E-05	1.49E-05	2.51E-05	3.60E-05	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Quinoline	4.59E-09	9.84E-09	3.47E-08	4.86E-08	5.33E-08	6.83E-08	1.05E-07	1.15E-07	0.00E+00	5.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	1,1,2,2-Tetrachloroethane	2.14E-05	2.58E-05	3.74E-05	5.73E-05	8.22E-05	8.32E-05	1.83E-04	3.10E-04	0.00E+00	8.22E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Robeson County	37155	R	Trichloroethylene	8.43E-02	8.47E-02	8.61E-02	8.66E-02	9.29E-02	9.36E-02	1.09E-01	1.23E-01	4.27E-04	1.15E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Carolina	Robeson County	37155	R	Vinyl Chloride	5.46E-05	6.41E-05	9.43E-05	1.44E-04	2.05E-04	1.93E-04	4.53E-04	7.66E-04	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Acetaldehyde	1.79E-01	1.80E-01	2.04E-01	2.23E-01	2.30E-01	2.60E-01	2.73E-01	3.04E-01	9.43E-03	2.73E-02	1.78E-01	1.56E-02	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Acrolein	2.65E-02	2.78E-02	3.10E-02	3.51E-02	3.59E-02	4.03E-02	4.47E-02	4.89E-02	7.97E-04	8.55E-03	2.27E-02	3.82E-03	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Acrylonitrile	1.62E-04	1.77E-04	2.19E-04	2.93E-04	2.97E-04	3.46E-04	4.52E-04	5.01E-04	7.36E-05	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Arsenic Compounds	4.78E-05	5.35E-05	7.06E-05	8.33E-05	8.17E-05	9.51E-05	1.06E-04	1.13E-04	4.62E-05	9.95E-06	2.19E-05	3.70E-06	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Benzene	7.29E-01	7.51E-01	8.05E-01	8.33E-01	8.99E-01	1.03E+00	1.08E+00	1.16E+00	1.03E-03	1.35E-01	2.50E-01	3.26E-02	4.80E-01	0.00E+00	
North Carolina	Rockingham County	37157	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 Carolina	Rockingham County	37157	R	Beryllium Compounds	9.59E-06	1.10E-05	1.43E-05	1.94E-05	2.43E-05	3.29E-05	4.68E-05	5.39E-05	1.94E-05	4.46E-06	0.00E+00	5.08E-07	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	1,3-Butadiene	8.99E-03	9.34E-03	1.01E-02	1.49E-02	1.86E-02	2.47E-02	3.29E-02	3.96E-02	1.92E-05	1.56E-03	1.49E-02	2.13E-03	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Cadmium Compounds	8.09E-06	9.36E-06	1.10E-05	1.53E-05	1.27E-04	2.68E-05	7.45E-04	7.68E-04	1.21E-04	5.69E-06	0.00E+00	5.06E-07	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37157	R	Carbon Disulfide	4.76E-02	4.77E-02	4.80E-02	4.83E-02	4.98E-02	4.95E-02	5.13E-02	6.17E-02	1.87E-03	9.65E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Carolina	Rockingham County	37157	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	1.48E-07	1.72E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Rockingham County	37157	R	Chloroform	8.98E-02	9.01E-02	9.09E-02	9.27E-02	9.34E-02	9.53E-02	9.77E-02	9.95E-02	5.40E-06	1.04E-02	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Carolina	Rockingham County	37157	R	Chromium Compounds (includes Hexavalent)	1.25E-04	1.39E-04	1.67E-04	2.27E-04	2.59E-04	3.21E-04	4.39E-04	5.21E-04	7.28E-05	1.70E-04	1.59E-05	5.10E-07	0.00E+00	0.00E+00	
North Carolina	Rockingham County	37																	

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Rockingham County	37157	R	Hydrazine	2.52E-08	2.98E-08	3.69E-08	8.37E-08	1.30E-07	1.08E-07	3.87E-07	5.06E-07	1.15E-07	1.49E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rockingham County	37157	R	Lead Compounds	3.95E-04	4.06E-04	4.44E-04	5.81E-04	5.69E-04	6.57E-04	7.97E-04	8.07E-04	1.07E-04	1.81E-04	0.00E+00	2.81E-04	0.00E+00
North Carolina	Rockingham County	37157	R	Manganese Compounds	5.16E-04	5.43E-04	6.06E-04	6.48E-04	8.84E-04	1.01E-03	1.82E-03	1.82E-03	4.97E-04	3.81E-04	4.97E-06	4.04E-07	0.00E+00
North Carolina	Rockingham County	37157	R	Mercury Compounds	1.57E-03	1.57E-03	1.59E-03	1.60E-03	1.60E-03	1.61E-03	1.63E-03	1.63E-03	6.36E-05	1.11E-05	2.36E-05	3.59E-06	1.50E-03
North Carolina	Rockingham County	37157	R	Methylene Chloride	1.87E-01	1.89E-01	2.02E-01	2.32E-01	2.42E-01	2.69E-01	3.11E-01	3.36E-01	2.62E-02	6.62E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Rockingham County	37157	R	Nickel Compounds	1.38E-04	1.44E-04	1.65E-04	1.95E-04	2.33E-04	2.57E-04	4.26E-04	4.90E-04	1.69E-04	5.07E-05	1.19E-05	6.91E-07	0.00E+00
North Carolina	Rockingham County	37157	R	Perchloroethylene	1.51E-01	1.52E-01	1.58E-01	1.62E-01	1.63E-01	1.66E-01	1.76E-01	1.79E-01	5.42E-04	2.22E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Rockingham County	37157	R	Polychlorinated Biphenyls	4.19E-04	4.20E-04	4.27E-04	4.56E-04	4.70E-04	5.08E-04	5.49E-04	5.73E-04	1.07E-12	9.01E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Rockingham County	37157	R	Polycyclic Organic Matter	1.93E-02	2.02E-02	2.32E-02	2.53E-02	2.95E-02	3.66E-02	4.24E-02	4.50E-02	2.45E-04	2.29E-02	5.64E-03	7.48E-04	0.00E+00
North Carolina	Rockingham County	37157	R	7-PAH	9.05E-04	9.24E-04	9.95E-04	1.25E-03	1.28E-03	1.53E-03	1.71E-03	1.88E-03	1.02E-06	1.23E-03	3.86E-05	6.16E-06	0.00E+00
North Carolina	Rockingham County	37157	R	Propylene Dichloride	1.82E-05	1.86E-05	2.18E-05	2.50E-05	2.69E-05	3.04E-05	3.99E-05	4.31E-05	4.50E-06	2.24E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rockingham County	37157	R	Quinoline	3.60E-08	5.14E-08	7.67E-08	1.03E-07	1.41E-07	1.29E-07	3.82E-07	4.20E-07	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rockingham County	37157	R	1,1,2,2-Tetrachloroethane	7.07E-05	7.60E-05	8.80E-05	9.61E-05	1.31E-04	1.75E-04	2.11E-04	2.46E-04	4.08E-05	9.00E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rockingham County	37157	R	Trichloroethylene	8.57E-02	8.60E-02	8.89E-02	9.03E-02	9.10E-02	9.26E-02	9.71E-02	9.90E-02	1.81E-03	8.14E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Rockingham County	37157	R	Vinyl Chloride	3.27E-04	3.44E-04	3.96E-04	5.34E-04	7.06E-04	8.86E-04	1.22E-03	1.76E-03	1.01E-04	6.05E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Acetaldehyde	2.22E-01	2.25E-01	3.01E-01	3.44E-01	4.20E-01	5.31E-01	7.30E-01	8.00E-01	4.04E-02	6.54E-03	3.35E-01	3.78E-02	0.00E+00
North Carolina	Rowan County	37159	U	Acrolein	4.42E-02	4.52E-02	5.35E-02	6.05E-02	6.46E-02	7.95E-02	8.52E-02	8.60E-02	1.95E-04	2.43E-03	4.94E-02	5.63E-03	0.00E+00
North Carolina	Rowan County	37159	U	Acrylonitrile	5.70E-04	6.53E-04	8.03E-04	1.18E-03	2.79E-03	2.11E-03	9.42E-03	1.05E-02	1.05E-05	2.78E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Arsenic Compounds	8.46E-05	8.94E-05	1.12E-04	1.32E-04	1.44E-04	1.65E-04	2.28E-04	2.29E-04	5.29E-05	3.48E-05	4.67E-05	9.45E-06	0.00E+00
North Carolina	Rowan County	37159	U	Benzene	8.79E-01	9.04E-01	1.00E+00	1.11E+00	1.24E+00	1.48E+00	1.74E+00	1.75E+00	3.68E-04	1.40E-01	5.52E-01	6.29E-02	4.80E-01
North Carolina	Rowan County	37159	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-08	0.00E+00	0.00E+00	2.36E-07	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Beryllium Compounds	2.99E-05	3.58E-05	4.03E-05	5.29E-05	6.99E-05	6.64E-05	9.87E-05	2.65E-04	5.30E-05	1.60E-05	3.00E+00	9.29E-07	0.00E+00
North Carolina	Rowan County	37159	U	1,3-Butadiene	9.31E-03	9.57E-03	1.58E-02	2.62E-02	3.89E-02	6.09E-02	9.19E-02	9.37E-02	7.14E-08	1.07E-03	3.03E-02	4.84E-03	0.00E+00
North Carolina	Rowan County	37159	U	Cadmium Compounds	1.04E-05	1.23E-05	1.69E-05	2.20E-05	9.26E-05	3.15E-05	4.08E-04	4.79E-04	7.72E-05	1.45E-05	0.00E+00	9.27E-07	0.00E+00
North Carolina	Rowan County	37159	U	Carbon Disulfide	4.76E-02	4.77E-02	4.79E-02	4.81E-02	4.84E-02	4.88E-02	4.94E-02	4.96E-02	5.68E-05	1.39E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Rowan County	37159	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	1.31E-06	3.55E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Rowan County	37159	U	Chloroform	9.14E-02	9.18E-02	9.34E-02	9.55E-02	9.63E-02	9.96E-02	1.01E-01	1.04E-01	8.71E-06	1.33E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Rowan County	37159	U	Chromium Compounds (includes Hexavalent)	3.60E-04	3.71E-04	4.50E-04	5.60E-04	5.86E-04	6.86E-04	9.21E-04	9.76E-04	2.70E-04	2.80E-04	3.49E-05	1.04E-06	0.00E+00
North Carolina	Rowan County	37159	U	Chromium VI	1.42E-04	1.70E-04	2.28E-04	2.80E-04	3.02E-04	3.55E-04	4.86E-04	5.23E-04	1.51E-04	1.37E-04	1.39E-05	3.52E-07	0.00E+00
North Carolina	Rowan County	37159	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 Carolina	Rowan County	37159	U	1,4-Dichlorobenzene	1.03E-02	1.18E-02	1.60E-02	2.04E-02	2.09E-02	2.72E-02	3.08E-02	3.09E-02	2.73E-06	2.09E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	1,3-Dichloropropene	1.98E-02	2.23E-02	3.12E-02	3.99E-02	4.09E-02	5.37E-02	6.08E-02	6.12E-02	0.00E+00	4.09E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	3.56E-08	2.89E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Rowan County	37159	U	Ethylene Dichloride	6.26E-02	6.31E-02	6.42E-02	6.70E-02	7.97E-02	7.40E-02	1.29E-01	1.37E-01	3.81E-06	1.87E-02	0.00E+00	0.00E+00	6.10E-02
North Carolina	Rowan County	37159	U	Ethylene Oxide	3.93E-04	5.24E-04	7.09E-04	1.01E-03	2.26E-03	2.38E-03	6.81E-03	7.78E-03	2.37E-04	2.02E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Formaldehyde	4.73E-01	4.89E-01	5.43E-01	6.21E-01	6.74E-01	7.91E-01	9.50E-01	1.02E+00	1.38E-02	4.79E-02	2.91E-01	7.15E-02	2.50E-01
North Carolina	Rowan County	37159	U	Hexachlorobenzene	9.36E-05	9.36E-05	9.38E-05	9.41E-05	9.41E-05	9.44E-05	9.46E-05	9.48E-05	7.95E-12	1.11E-06	0.00E+00	0.00E+00	9.30E-05
North Carolina	Rowan County	37159	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	5.49E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Rowan County	37159	U	Hexamethylene Diisocyanate	2.15E-04	2.62E-04	3.63E-04	4.67E-04	8.12E-04	8.40E-04	1.16E-03	1.74E-03	8.09E-04	2.86E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Hydrazine	3.68E-10	4.32E-10	4.65E-10	6.86E-10	2.23E-09	3.54E-09	8.38E-09	8.63E-09	1.63E-09	6.06E-10	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Lead Compounds	3.25E-04	3.78E-04	4.12E-04	4.74E-04	6.06E-04	5.92E-04	1.38E-03	1.42E-03	8.72E-05	4.63E-04	0.00E+00	5.56E-05	0.00E+00
North Carolina	Rowan County	37159	U	Manganese Compounds	1.09E-03	1.12E-03	1.23E-03	2.10E-03	2.80E-03	3.21E-03	6.33E-03	6.74E-03	1.91E-03	8.82E-04	1.10E-05	9.62E-07	0.00E+00
North Carolina	Rowan County	37159	U	Mercury Compounds	1.54E-03	1.55E-03	1.56E-03	1.58E-03	1.60E-03	1.63E-03	1.69E-03	1.73E-03	1.48E-05	2.84E-05	4.95E-05	8.72E-06	1.50E-03
North Carolina	Rowan County	37159	U	Methylene Chloride	2.27E-01	2.32E-01	2.45E-01	2.72E-01	3.11E-01	3.48E-01	4.34E-01	4.69E-01	1.95E-02	1.42E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Rowan County	37159	U	Nickel Compounds	1.64E-04	1.68E-04	2.25E-04	2.61E-04	2.64E-04	3.17E-04	3.39E-04	3.56E-04	1.26E-04	1.10E-04	2.60E-05	1.63E-06	0.00E+00
North Carolina	Rowan County	37159	U	Perchloroethylene	1.54E-01	1.54E-01	1.58E-01	1.69E-01	1.71E-01	1.83E-01	1.99E-01	2.01E-01	6.31E-06	3.12E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Rowan County	37159	U	Polychlorinated Biphenyls	4.38E-04	4.42E-04	4.71E-04	5.14E-04	5.09E-04	5.69E-04	5.41E-04	5.98E-04	7.76E-13	1.29E-04	0.00E+00	0.00E+00	3.80E-04
North Carolina	Rowan County	37159	U	Polycyclic Organic Matter	3.09E-02	3.11E-02	3.83E-02	4.65E-02	4.67E-02	5.61E-02	6.43E-02	6.53E-02	2.69E-03	3.09E-02	1.21E-02	1.09E-03	0.00E+00
North Carolina	Rowan County	37159	U	7-PAH	1.23E-03	1.25E-03	1.43E-03	1.58E-03	1.69E-03	1.95E-03	2.11E-03	2.17E-03	6.43E-06	1.59E-03	8.28E-05	1.21E-05	0.00E+00
North Carolina	Rowan County	37159	U	Propylene Dichloride	1.69E-05	1.88E-05	2.13E-05	2.65E-05	2.70E-05	2.94E-05	3.63E-05	3.66E-05	1.49E-06	2.55E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Quinoline	2.80E-08	3.60E-08	1.67E-07	2.30E-07	2.74E-07	3.96E-07	4.85E-07	7.18E-07	0.00E+00	2.74E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	1,1,2,2-Tetrachloroethane	7.24E-05	7.92E-05	9.78E-05	1.18E-04	1.37E-04	1.52E-04	1.76E-04	1.84E-04	8.20E-08	1.37E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rowan County	37159	U	Trichloroethylene	8.81E-02	8.90E-02	9.41E-02	9.83E-02	1.14E-01	1.27E-01	1.49E-01	1.82E-01	1.60E-03	3.17E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Rowan County	37159	U	Vinyl Chloride	1.50E-04	1.54E-04	1.83E-04	2.21E-04	2.66E-04	2.72E-04	3.40E-04	3.56E-04	2.01E-10	2.66E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Rutherford County	37161	R	Acetaldehyde	1.47E-01	1.54E-01	1.78E-01	2.09E-01	2.15E-01	2.56E-01	2.72E-01	3.08E-01	2.17E-02	2.55E-02	1.55E-01	1.24E-02	0.00E+00
North Carolina	Rutherford County	37161	R	Acrolein	2.91E-02	3.13E-02	3.38E-02	3.82E-02	3.92E-02	4.21E-02	5.07E-02	5.74E-02	5.28E-04	1.29E-02	2.33E-02	2.45E-03	0.00E+00
North Carolina	Rutherford County	37161	R	Acrylonitrile													

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Rutherford County	37161	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	5.47E-06	2.14E-04	0.00E+00	0.00E+00	8.80E-01		
North Carolina	Rutherford County	37161	R	Chloroform	8.67E-02	8.77E-02	8.91E-02	9.14E-02	9.33E-02	9.56E-02	9.80E-02	1.12E-01	6.05E-06	1.03E-02	0.00E+00	0.00E+00	8.30E-02		
North Carolina	Rutherford County	37161	R	Chromium Compounds (includes Hexavalent)	2.87E-04	6.38E-04	7.47E-04	8.67E-04	9.33E-04	1.17E-03	1.21E-03	1.68E-03	1.65E-04	7.52E-04	1.49E-05	4.76E-07	0.00E+00		
North Carolina	Rutherford County	37161	R	Chromium VI	2.51E-04	5.62E-04	6.81E-04	7.99E-04	8.64E-04	1.10E-03	1.13E-03	1.62E-03	1.56E-04	7.02E-04	5.95E-06	1.62E-07	0.00E+00		
North Carolina	Rutherford County	37161	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 Carolina	Rutherford County	37161	R	1,4-Dichlorobenzene	5.08E-03	5.39E-03	7.25E-03	1.04E-02	1.22E-02	1.47E-02	2.98E-02	6.87E-06	1.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Rutherford County	37161	R	1,3-Dichloropropene	9.49E-03	9.61E-03	1.38E-02	2.01E-02	2.38E-02	2.89E-02	3.98E-02	5.96E-02	0.00E+00	2.38E-02	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Rutherford County	37161	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	4.02E-08	4.28E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Rutherford County	37161	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.13E-02	6.14E-02	6.17E-02	3.32E-05	1.96E-04	0.00E+00	0.00E+00	6.10E-02		
North Carolina	Rutherford County	37161	R	Ethylene Oxide	1.62E-04	1.69E-04	3.19E-04	6.15E-04	5.78E-04	7.10E-04	1.01E-03	1.20E-03	2.79E-05	5.50E-04	0.00E+00	0.00E+00	0.00E+00		
North Carolina	Rutherford County	37161	R	Formaldehyde	4.24E-01	4.28E-01	4.46E-01	4.85E-01	4.95E-01	5.17E-01	5.85E-01	6.44E-01	2.46E-02	6.08E-02	1.35E-01	2.48E-02	2.50E-01		
North Carolina	Rutherford County	37161	R	Hexachlorobenzene	9.35E-05	9.38E-05	9.40E-05	9.44E-05	9.45E-05	9.48E-05	9.54E-05	9.61E-05	9.67E-08	1.40E-06	0.00E+00	0.00E+00	9.30E-05		
North Carolina	Rutherford County	37161	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.33E-07	0.00E+00	0.00E+00	1.80E-03		
North Carolina	Rutherford County	37161	R	Hexamethylene Diisocyanate	3.67E-08	5.10E-08	6.29E-08	9.79E-08	1.28E-07	1.69E-07	2.00E-07	4.09E-07	2.56E-08	1.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Hydrazine	2.25E-10	6.39E-10	8.24E-10	1.08E-09	2.94E-09	2.65E-09	3.15E-09	1.97E-08	0.00E+00	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Lead Compounds	1.49E-04	1.61E-04	1.80E-04	2.80E-04	3.18E-04	4.12E-04	5.96E-04	6.30E-04	2.38E-05	2.35E-04	0.00E+00	5.95E-05	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Manganese Compounds	4.31E-04	9.65E-04	1.08E-03	1.30E-03	1.39E-03	1.71E-03	1.82E-03	2.58E-03	2.49E-04	1.14E-03	4.62E-06	3.93E-07	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.54E-03	1.56E-03	1.57E-03	5.23E-07	7.37E-06	2.38E-05	3.57E-06	1.50E-03		
North Carolina	Rutherford County	37161	R	Methylene Chloride	1.90E-01	1.91E-01	1.94E-01	2.09E-01	2.28E-01	2.41E-01	3.17E-01	3.34E-01	1.26E-02	6.49E-02	0.00E+00	0.00E+00	1.50E-01		
North Carolina	Rutherford County	37161	R	Nickel Compounds	8.90E-05	1.46E-04	2.16E-04	3.29E-04	4.02E-04	4.85E-04	7.65E-04	1.10E-03	2.24E-05	3.68E-04	1.12E-05	6.83E-07	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Perchloroethylene	1.44E-01	1.46E-01	1.47E-01	1.50E-01	1.54E-01	1.56E-01	1.66E-01	1.88E-01	1.32E-04	1.39E-02	0.00E+00	0.00E+00	1.40E-01		
North Carolina	Rutherford County	37161	R	Polychlorinated Biphenyls	4.11E-04	4.16E-04	4.29E-04	4.57E-04	4.82E-04	5.20E-04	5.52E-04	6.71E-04	5.21E-08	1.02E-04	0.00E+00	0.00E+00	3.80E-04		
North Carolina	Rutherford County	37161	R	Polycyclic Organic Matter	1.63E-02	1.74E-02	2.03E-02	2.54E-02	2.89E-02	3.30E-02	4.49E-02	5.87E-02	7.29E-05	2.31E-02	5.21E-03	5.03E-04	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	7-PAH	9.88E-04	1.02E-03	1.16E-03	1.39E-03	1.56E-03	1.78E-03	2.29E-03	2.95E-03	2.61E-07	1.52E-03	3.67E-05	4.81E-06	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Propylene Dichloride	1.75E-05	3.17E-05	3.98E-05	6.38E-05	8.29E-05	8.79E-05	1.22E-04	3.08E-04	1.05E-05	7.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Quinoline	4.70E-09	1.34E-08	2.82E-08	4.00E-08	3.99E-08	4.78E-08	6.18E-08	9.01E-08	0.00E+00	3.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	1,1,2,2-Tetrachloroethane	5.78E-05	7.31E-05	9.63E-05	2.88E-04	4.30E-04	3.74E-04	5.32E-04	2.48E-03	3.90E-05	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Rutherford County	37161	R	Trichloroethylene	8.29E-02	8.30E-02	8.42E-02	8.53E-02	8.66E-02	9.05E-02	1.01E-01	1.05E-01	1.12E-04	7.54E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
North Carolina	Rutherford County	37161	R	Vinyl Chloride	1.57E-04	2.01E-04	2.50E-04	1.04E-03	1.25E-03	1.29E-03	1.35E-03	6.13E-03	9.85E-05	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Acetaldehyde	7.33E-02	7.39E-02	1.39E-01	2.09E-01	2.09E-01	2.54E-01	3.58E-01	4.04E-01	9.61E-02	7.63E-03	9.36E-02	1.14E-02	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Acrolein	1.20E-02	1.25E-02	1.87E-02	2.60E-02	3.14E-02	3.30E-02	6.60E-02	9.38E-02	7.37E-03	6.48E-03	1.62E-02	1.43E-03	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Acrylonitrile	4.95E-06	1.52E-05	6.65E-05	1.16E-04	1.18E-04	1.71E-04	2.17E-04	2.49E-04	0.00E+00	1.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Arsenic Compounds	1.77E-05	2.02E-05	2.38E-05	7.74E-05	2.16E-04	9.30E-05	8.69E-04	1.64E-03	1.89E-04	9.81E-06	1.42E-05	3.06E-06	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Benzene	5.52E-01	5.64E-01	6.48E-01	7.28E-01	7.26E-01	8.03E-01	8.82E-01	9.35E-01	1.80E-02	5.66E-02	1.57E-01	1.41E-02	4.80E-01	0.00E+00	
North Carolina	Sampson County	37163	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 Carolina	Sampson County	37163	R	Beryllium Compounds	1.47E-06	1.49E-06	3.47E-06	9.13E-06	8.36E-06	1.17E-05	1.56E-05	1.93E-05	6.66E-06	1.62E-06	0.00E+00	7.14E-08	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	1,3-Butadiene	3.49E-03	3.75E-03	4.62E-03	6.63E-03	1.00E-02	1.44E-02	2.18E-02	2.58E-02	1.97E-04	1.53E-03	7.38E-03	9.22E-04	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Cadmium Compounds	4.67E-06	5.11E-06	6.58E-06	8.56E-06	3.03E-05	1.21E-04	2.30E-04	2.30E-04	2.55E-05	4.73E-06	0.00E+00	7.07E-08	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Carbon Disulfide	4.72E-02	4.73E-02	4.76E-02	4.77E-02	4.79E-02	4.81E-02	4.89E-02	4.93E-02	4.24E-04	4.64E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
North Carolina	Sampson County	37163	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.82E-01	8.83E-01	3.00E-04	8.81E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
North Carolina	Sampson County	37163	R	Chloroform	8.50E-02	8.58E-02	8.68E-02	8.79E-02	9.68E-02	9.05E-02	1.34E-01	1.74E-01	8.91E-03	4.87E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
North Carolina	Sampson County	37163	R	Chromium Compounds (includes Hexavalent)	1.22E-05	1.69E-05	7.50E-05	9.77E-05	3.23E-04	3.45E-04	1.11E-03	1.86E-03	2.56E-04	5.72E-05	9.85E-06	1.92E-07	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Chromium VI	6.68E-06	9.79E-06	3.25E-05	5.20E-05	1.39E-04	1.57E-04	4.56E-04	6.36E-04	1.06E-04	2.89E-05	3.93E-06	6.52E-08	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	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 Carolina	Sampson County	37163	R	1,4-Dichlorobenzene	1.64E-03	1.81E-03	4.01E-03	4.50E-03	5.00E-03	6.63E-03	8.76E-03	1.08E-02	1.37E-07	5.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	1,3-Dichloropropene	3.19E-03	3.51E-03	7.70E-03	8.73E-03	9.73E-03	1.25E-02	1.75E-02	2.17E-02	0.00E+00	9.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	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	1.90E-09	7.15E-08	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Sampson County	37163	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.10E-02	6.12E-02	6.13E-02	4.20E-05	1.58E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
North Carolina	Sampson County	37163	R	Ethylene Oxide	3.12E-05	1.02E-04	4.68E-04	9.32E-04	9.58E-04	1.68E-03	1.87E-03	1.94E-03	7.56E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Formaldehyde	3.24E-01	3.30E-01	3.58E-01	4.08E-01	4.44E-01	4.56E-01	6.62E-01	8.22E-01	6.07E-02	3.34E-02	8.01E-02	2.00E-02	2.50E-01	0.00E+00	
North Carolina	Sampson County	37163	R	Hexachlorobenzene	9.31E-05	9.32E-05	9.33E-05	9.34E-05	9.35E-05	9.36E-05	9.42E-05	9.45E-05	7.89E-08	4.55E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
North Carolina	Sampson County	37163	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.79E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
North Carolina	Sampson County	37163	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	0.00E+00	7.46E-06	9.33E-06	9.28E-07	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Sampson County	37163	R	Hydrazine	5.20E-11	1.26E-10	3.28E-10	6.21E-10	8.41E-10	9.68E-10	2.18E-09	3.13E-09	0.00E+00	8.41E-10					

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Sampson County	37163	R	Quinoline	1.79E-09	5.14E-09	1.35E-08	2.58E-08	3.02E-08	3.88E-08	6.82E-08	9.70E-08	0.00E+00	3.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Sampson County	37163	R	1,1,2,2-Tetrachloroethane	1.62E-07	4.30E-06	2.40E-05	5.18E-05	5.02E-05	5.81E-05	1.05E-04	1.22E-04	0.00E+00	5.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Sampson County	37163	R	Trichloroethylene	8.20E-02	8.21E-02	8.25E-02	8.30E-02	8.35E-02	8.38E-02	8.59E-02	8.67E-02	6.08E-05	2.39E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Sampson County	37163	R	Vinyl Chloride	4.81E-07	1.09E-05	6.05E-05	1.32E-04	1.27E-04	1.46E-04	2.64E-04	3.04E-04	1.34E-06	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Acetaldehyde	1.50E-01	1.50E-01	1.68E-01	1.85E-01	1.98E-01	2.34E-01	2.69E-01	2.69E-01	1.65E-02	5.65E-02	1.13E-01	1.23E-02	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Acrolein	2.29E-02	2.29E-02	2.41E-02	2.91E-02	3.02E-02	3.73E-02	3.85E-02	3.85E-02	1.98E-04	1.11E-02	1.68E-02	2.08E-03	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Acrylonitrile	6.58E-04	6.58E-04	6.84E-04	2.06E-03	3.90E-03	5.50E-03	1.24E-02	1.24E-02	3.11E-03	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Arsenic Compounds	3.77E-05	3.77E-05	4.59E-05	8.13E-05	7.68E-05	1.04E-04	1.10E-04	1.10E-04	2.25E-05	3.26E-05	1.73E-05	4.39E-06	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Benzene	6.59E-01	6.59E-01	6.72E-01	7.86E-01	7.97E-01	9.29E-01	9.47E-01	9.47E-01	9.71E-05	9.26E-02	2.01E-01	2.31E-02	4.80E-01	0.00E+00
North Carolina	Scotland County	37165	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 Carolina	Scotland County	37165	R	Beryllium Compounds	5.05E-06	5.05E-06	6.50E-06	1.03E-05	9.94E-06	1.35E-05	1.41E-05	1.41E-05	2.91E-06	6.36E-06	0.00E+00	6.70E-07	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	1,3-Butadiene	6.34E-03	6.34E-03	6.98E-03	1.66E-02	1.71E-02	2.66E-02	2.97E-02	2.97E-02	6.79E-08	1.71E-03	1.35E-02	1.97E-03	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Cadmium Compounds	5.37E-06	5.37E-06	5.86E-06	1.02E-05	1.03E-05	1.41E-05	1.62E-05	1.62E-05	2.07E-06	7.60E-06	0.00E+00	6.68E-07	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Carbon Disulfide	4.74E-02	4.74E-02	4.74E-02	4.76E-02	4.77E-02	4.80E-02	4.83E-02	4.83E-02	4.45E-07	7.23E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Scotland County	37165	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	1.34E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	Scotland County	37165	R	Chloroform	8.79E-02	8.79E-02	8.84E-02	9.49E-02	9.51E-02	1.02E-01	1.03E-01	1.03E-01	1.40E-07	1.21E-02	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Scotland County	37165	R	Chromium Compounds (includes Hexavalent)	2.66E-04	2.66E-04	4.04E-04	9.86E-04	8.57E-04	1.09E-03	1.41E-03	1.41E-03	2.05E-04	6.39E-04	1.22E-05	4.69E-07	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Chromium VI	1.69E-04	1.69E-04	2.21E-04	6.93E-04	5.63E-04	7.83E-04	8.18E-04	8.18E-04	1.84E-04	3.74E-04	4.82E-06	1.60E-07	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	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 Carolina	Scotland County	37165	R	1,4-Dichlorobenzene	5.17E-03	5.17E-03	6.05E-03	1.04E-02	1.06E-02	1.59E-02	1.59E-02	1.59E-02	2.83E-08	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	1,3-Dichloropropene	9.99E-03	9.99E-03	1.15E-02	2.06E-02	2.08E-02	3.06E-02	3.16E-02	3.16E-02	0.00E+00	2.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.27E-09	4.69E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03
North Carolina	Scotland County	37165	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.14E-02	6.14E-02	1.17E-07	1.21E-04	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Scotland County	37165	R	Ethylene Oxide	9.95E-05	9.95E-05	1.58E-04	3.73E-04	4.24E-04	5.06E-04	1.03E-03	1.03E-03	3.89E-06	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Formaldehyde	6.14E-01	6.14E-01	6.75E-01	7.37E-01	7.33E-01	7.92E-01	8.42E-01	8.42E-01	2.82E-01	7.58E-02	1.00E-01	2.46E-02	2.50E-01	0.00E+00
North Carolina	Scotland County	37165	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.38E-05	9.38E-05	9.43E-05	9.43E-05	9.43E-05	0.00E+00	8.28E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Scotland County	37165	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	6.94E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Scotland County	37165	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-06	0.00E+00	7.09E-06	7.09E-06	7.23E-07	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Hydrazine	1.02E-09	1.02E-09	1.13E-09	1.36E-09	1.44E-09	1.83E-09	1.96E-09	1.96E-09	0.00E+00	1.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Lead Compounds	2.02E-04	2.02E-04	2.55E-04	4.08E-04	3.74E-04	4.79E-04	4.93E-04	4.93E-04	5.18E-05	1.65E-04	0.00E+00	1.57E-04	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Manganese Compounds	4.48E-04	4.48E-04	4.81E-04	1.05E-03	1.00E-03	1.15E-03	1.84E-03	1.84E-03	2.05E-04	7.94E-04	3.83E-06	4.45E-07	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.54E-03	1.54E-03	1.55E-03	1.57E-03	1.57E-03	1.32E-06	1.64E-05	1.89E-05	4.43E-06	1.50E-03	0.00E+00
North Carolina	Scotland County	37165	R	Methylene Chloride	1.80E-01	1.80E-01	1.85E-01	2.22E-01	2.48E-01	2.64E-01	4.14E-01	4.14E-01	5.11E-02	4.68E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Scotland County	37165	R	Nickel Compounds	1.02E-04	1.02E-04	1.20E-04	1.56E-04	1.52E-04	1.82E-04	1.95E-04	1.95E-04	4.74E-05	9.46E-05	9.13E-06	7.58E-07	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Perchloroethylene	1.51E-01	1.51E-01	1.52E-01	1.64E-01	1.65E-01	1.70E-01	1.87E-01	1.87E-01	8.77E-07	2.46E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	Scotland County	37165	R	Polychlorinated Biphenyls	4.14E-04	4.14E-04	4.15E-04	4.65E-04	4.63E-04	5.07E-04	5.09E-04	5.09E-04	5.41E-08	8.26E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	Scotland County	37165	R	Polycyclic Organic Matter	1.25E-02	1.25E-02	1.35E-02	2.20E-02	2.17E-02	3.01E-02	3.03E-02	3.03E-02	4.39E-04	1.64E-02	4.30E-03	5.38E-04	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	7-PAH	7.31E-04	7.31E-04	7.89E-04	1.18E-03	1.15E-03	1.49E-03	1.51E-03	1.51E-03	4.58E-10	1.11E-03	2.89E-05	5.38E-06	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Propylene Dichloride	6.14E-06	6.14E-06	6.65E-06	2.60E-05	5.43E-05	4.85E-05	2.12E-04	2.12E-04	0.00E+00	5.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Quinoline	4.32E-08	4.32E-08	4.42E-08	5.24E-08	5.45E-08	6.71E-08	6.77E-08	6.77E-08	0.00E+00	5.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	1,1,2,2-Tetrachloroethane	1.87E-05	1.87E-05	3.12E-05	1.55E-04	4.15E-04	3.24E-04	1.81E-03	1.81E-03	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Scotland County	37165	R	Trichloroethylene	8.76E-02	8.76E-02	8.89E-02	9.57E-02	1.03E-01	1.07E-01	1.46E-01	1.46E-01	1.30E-02	9.35E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Scotland County	37165	R	Vinyl Chloride	4.95E-05	4.95E-05	8.11E-05	3.87E-04	1.03E-03	8.05E-04	4.46E-03	4.46E-03	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Acetaldehyde	1.15E-01	1.27E-01	1.48E-01	1.90E-01	1.96E-01	2.34E-01	2.68E-01	3.28E-01	2.03E-03	1.75E-02	1.32E-01	2.45E-02	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Acrolein	2.23E-02	2.78E-02	2.79E-02	3.91E-02	3.81E-02	4.38E-02	5.36E-02	6.72E-02	8.98E-05	1.30E-02	2.13E-02	3.72E-03	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Acrylonitrile	9.98E-05	2.43E-04	2.92E-04	3.49E-04	3.96E-04	5.69E-04	5.84E-04	7.68E-04	2.14E-06	3.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Arsenic Compounds	4.08E-05	4.09E-05	5.41E-05	1.18E-04	1.73E-04	3.12E-04	3.86E-04	3.87E-04	8.49E-06	1.35E-04	2.16E-05	7.24E-06	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Benzene	7.09E-01	7.23E-01	7.25E-01	7.92E-01	8.96E-01	9.86E-01	1.03E+00	1.60E+00	2.95E-04	1.15E-01	2.48E-01	5.23E-02	4.80E-01	0.00E+00
North Carolina	Stanly County	37167	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-07	8.82E-07	9.00E-07	1.33E-06	3.57E-07	2.61E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Beryllium Compounds	1.46E-05	1.88E-05	2.24E-05	4.44E-05	4.34E-05	7.05E-05	7.37E-05	7.93E-05	1.76E-05	2.55E-05	0.00E+00	3.08E-07	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	1,3-Butadiene	8.06E-03	9.24E-03	9.44E-03	1.17E-02	3.28E-02	3.24E-02	9.59E-02	1.31E-01	1.03E-06	1.20E-02	1.60E-02	4.81E-03	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Cadmium Compounds	8.99E-06	9.18E-06	9.82E-06	1.86E-05	2.12E-05	3.39E-05	3.82E-05	4.23E-05	4.14E-06	1.68E-05	0.00E+00	3.06E-07	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Carbon Disulfide	4.74E-02	4.75E-02	4.76E-02	4.81E-02	4.91E-02	5.06E-02	5.08E-02	5.38E-02	9.23E-04	1.17E-03	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Stanly County	37167	R	Carbon Tetrachloride	8.80E-01	8.80E-01												

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts									Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background	
North Carolina	Stanly County	37167	R	Hexachlorobenzene	9.33E-05	9.34E-05	9.35E-05	9.35E-05	9.40E-05	9.44E-05	9.50E-05	9.60E-05	5.55E-10	1.05E-06	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Stanly County	37167	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.81E-03	1.81E-03	0.00E+00	3.67E-06	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Stanly County	37167	R	Hexamethylene Diisocyanate	3.49E-07	7.52E-07	1.14E-06	1.64E-05	1.15E-05	2.01E-05	2.02E-05	2.89E-05	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Hydrazine	3.55E-10	3.65E-10	5.29E-10	1.22E-09	1.10E-08	7.52E-09	5.21E-08	5.22E-08	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Lead Compounds	2.45E-04	2.73E-04	3.18E-04	4.27E-04	4.44E-04	5.95E-04	6.41E-04	6.93E-04	6.47E-05	3.80E-04	0.00E+00	1.87E-05	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Manganese Compounds	3.05E-04	4.07E-04	5.06E-04	1.89E-03	1.81E-03	3.07E-03	3.56E-03	3.75E-03	6.28E-04	1.16E-03	4.72E-06	7.23E-07	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	1.56E-03	1.58E-03	1.65E-03	4.63E-06	2.03E-05	2.36E-05	6.18E-06	1.50E-03	0.00E+00
North Carolina	Stanly County	37167	R	Methylene Chloride	1.79E-01	1.80E-01	1.81E-01	1.96E-01	2.24E-01	2.30E-01	2.42E-01	4.50E-01	2.31E-03	7.13E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Stanly County	37167	R	Nickel Compounds	1.70E-04	2.29E-04	2.55E-04	4.71E-04	5.13E-04	8.69E-04	9.14E-04	1.03E-03	6.89E-05	4.31E-04	1.14E-05	1.21E-06	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Perchloroethylene	1.50E-01	1.51E-01	1.53E-01	1.57E-01	1.60E-01	1.64E-01	1.65E-01	1.90E-01	2.37E-06	2.04E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Stanly County	37167	R	Polychlorinated Biphenyls	4.14E-04	4.19E-04	4.27E-04	4.36E-04	4.86E-04	5.20E-04	5.89E-04	7.30E-04	0.00E+00	1.06E-04	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Stanly County	37167	R	Polycyclic Organic Matter	2.78E-02	3.42E-02	3.56E-02	7.35E-02	7.57E-02	9.67E-02	1.30E-01	1.87E-01	4.65E-02	2.29E-02	5.39E-03	8.19E-04	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	7-PAH	7.39E-04	8.11E-04	9.94E-04	1.18E-03	1.44E-03	1.83E-03	2.10E-03	3.00E-03	2.00E-05	1.38E-03	3.71E-05	9.68E-06	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Propylene Dichloride	6.15E-06	6.85E-06	8.32E-06	8.93E-06	1.27E-05	1.69E-05	2.05E-05	3.32E-05	1.89E-07	1.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Quinoline	2.23E-07	3.49E-07	7.97E-07	2.38E-06	3.64E-06	3.99E-06	1.06E-05	1.14E-05	0.00E+00	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	1,1,2,2-Tetrachloroethane	3.10E-05	3.23E-05	3.56E-05	4.32E-05	6.76E-05	6.59E-05	1.02E-04	2.64E-04	7.81E-08	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stanly County	37167	R	Trichloroethylene	8.66E-02	8.70E-02	8.75E-02	8.77E-02	9.30E-02	9.29E-02	9.50E-02	1.30E-01	2.49E-04	1.18E-02	0.00E+00	0.00E+00	8.10E-02	0.00E+00
North Carolina	Stanly County	37167	R	Vinyl Chloride	6.01E-05	6.57E-05	7.35E-05	8.09E-05	1.37E-04	1.08E-04	1.33E-04	6.33E-04	0.00E+00	1.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Acetaldehyde	1.32E-01	1.32E-01	1.60E-01	1.76E-01	1.94E-01	2.40E-01	2.69E-01	2.69E-01	2.62E-02	1.52E-02	1.41E-01	1.12E-02	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Acrolein	2.24E-02	2.24E-02	2.66E-02	3.00E-02	3.08E-02	3.62E-02	3.85E-02	3.85E-02	2.63E-03	7.76E-03	1.77E-02	2.73E-03	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Acrylonitrile	1.65E-04	1.65E-04	2.14E-04	2.68E-04	2.94E-04	3.08E-04	6.09E-04	6.09E-04	1.54E-04	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Arsenic Compounds	3.97E-05	3.97E-05	4.85E-05	6.00E-05	6.27E-05	7.38E-05	9.75E-05	9.75E-05	3.44E-05	9.78E-06	1.59E-05	2.62E-06	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Benzene	6.60E-01	6.60E-01	6.82E-01	7.34E-01	7.60E-01	8.36E-01	9.15E-01	9.15E-01	9.27E-04	8.78E-02	1.65E-01	2.58E-02	4.80E-01	0.00E+00
North Carolina	Stokes County	37169	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 Carolina	Stokes County	37169	U	Beryllium Compounds	3.42E-06	3.42E-06	4.13E-06	5.36E-06	8.08E-06	6.70E-06	2.88E-05	2.88E-05	2.71E-06	5.22E-06	0.00E+00	1.48E-07	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	1,3-Butadiene	6.06E-03	6.06E-03	7.30E-03	9.38E-03	1.03E-02	1.26E-02	1.78E-02	1.78E-02	1.19E-05	1.61E-03	7.17E-03	1.49E-03	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Cadmium Compounds	5.34E-06	5.34E-06	5.99E-06	8.04E-06	8.13E-05	1.16E-04	3.85E-04	3.85E-04	7.46E-05	6.54E-06	0.00E+00	1.47E-07	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Carbon Disulfide	4.74E-02	4.74E-02	4.74E-02	4.75E-02	4.76E-02	4.78E-02	4.79E-02	4.79E-02	4.11E-05	5.69E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00
North Carolina	Stokes County	37169	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	3.58E-06	1.11E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00
North Carolina	Stokes County	37169	U	Chloroform	8.58E-02	8.58E-02	8.67E-02	8.83E-02	8.83E-02	9.00E-02	9.08E-02	9.08E-02	1.41E-05	5.32E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00
North Carolina	Stokes County	37169	U	Chromium Compounds (includes Hexavalent)	3.48E-04	3.48E-04	4.52E-04	5.24E-04	5.23E-04	5.75E-04	7.36E-04	7.36E-04	3.54E-04	1.58E-04	1.10E-05	3.69E-07	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Chromium VI	1.15E-04	1.15E-04	1.51E-04	1.68E-04	1.70E-04	1.83E-04	2.40E-04	2.40E-04	1.29E-04	3.65E-05	4.37E-06	1.26E-07	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	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 Carolina	Stokes County	37169	U	1,4-Dichlorobenzene	5.48E-03	5.48E-03	6.09E-03	8.38E-03	9.47E-03	1.25E-02	1.64E-02	1.64E-02	1.42E-05	9.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	1,3-Dichloropropene	1.04E-02	1.04E-02	1.16E-02	1.62E-02	1.84E-02	2.43E-02	3.26E-02	3.26E-02	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	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	8.79E-08	9.77E-08	0.00E+00	0.00E+00	7.70E-03	0.00E+00
North Carolina	Stokes County	37169	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	1.98E-05	1.51E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00
North Carolina	Stokes County	37169	U	Ethylene Oxide	1.18E-04	1.18E-04	1.45E-04	2.22E-04	2.16E-04	2.79E-04	3.17E-04	3.17E-04	0.00E+00	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Formaldehyde	3.96E-01	3.96E-01	4.17E-01	4.27E-01	4.38E-01	4.70E-01	4.83E-01	4.83E-01	2.70E-02	3.66E-02	1.03E-01	2.16E-02	2.50E-01	0.00E+00
North Carolina	Stokes County	37169	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.35E-05	9.37E-05	9.40E-05	9.51E-05	9.51E-05	8.21E-12	7.40E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00
North Carolina	Stokes County	37169	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	5.97E-08	0.00E+00	0.00E+00	1.80E-03	0.00E+00
North Carolina	Stokes County	37169	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	7.24E-08	1.34E-07	2.21E-06	2.59E-06	1.21E-05	1.21E-05	1.93E-06	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Hydrazine	4.54E-10	4.54E-10	7.75E-10	3.18E-09	5.31E-09	1.05E-08	1.32E-08	1.32E-08	3.96E-09	1.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Lead Compounds	1.85E-04	1.85E-04	2.26E-04	3.17E-04	3.43E-04	4.52E-04	5.67E-04	5.67E-04	4.22E-05	1.19E-04	0.00E+00	1.82E-04	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Manganese Compounds	4.75E-04	4.75E-04	5.13E-04	5.34E-04	6.32E-04	6.93E-04	1.10E-03	1.10E-03	3.54E-04	2.74E-04	3.36E-06	2.85E-07	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Mercury Compounds	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.56E-03	1.57E-03	1.63E-03	1.63E-03	3.41E-05	5.67E-06	1.77E-05	2.27E-06	1.50E-03	0.00E+00
North Carolina	Stokes County	37169	U	Methylene Chloride	2.57E-01	2.57E-01	3.01E-01	3.45E-01	3.43E-01	3.95E-01	4.06E-01	4.06E-01	1.47E-01	4.59E-02	0.00E+00	0.00E+00	1.50E-01	0.00E+00
North Carolina	Stokes County	37169	U	Nickel Compounds	1.47E-04	1.47E-04	1.89E-04	1.99E-04	2.43E-04	2.82E-04	4.56E-04	4.56E-04	4.13E-05	1.93E-04	8.17E-06	4.72E-07	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Perchloroethylene	1.47E-01	1.47E-01	1.48E-01	1.51E-01	1.52E-01	1.56E-01	1.58E-01	1.58E-01	2.95E-04	1.16E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00
North Carolina	Stokes County	37169	U	Polychlorinated Biphenyls	4.09E-04	4.09E-04	4.13E-04	4.33E-04	4.68E-04	5.04E-04	6.36E-04	6.36E-04	6.95E-13	8.80E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00
North Carolina	Stokes County	37169	U	Polycyclic Organic Matter	1.36E-02	1.36E-02	1.66E-02	1.94E-02	2.13E-02	2.54E-02	3.38E-02	3.38E-02	1.72E-03	1.52E-02	3.87E-03	4.65E-04	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	7-PAH	7.41E-04	7.41E-04	8.26E-04	9.29E-04	1.08E-03	1.24E-03	1.89E-03	1.89E-03	4.03E-07	1.05E-03	2.75E-05	4.70E-06	0.00E+00	0.00E+00
North Carolina	Stokes County	37169	U	Propylene Dichloride	1.02E-05	1.02E-05	1.29E-05	1.70E-05	1.83E-05	1.86E-05	3.91E-05	3.91E-05	9.90E-06	8.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+0

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Surry County	37171	R	1,3-Butadiene	5.59E-03	7.54E-03	9.05E-03	1.39E-02	1.81E-02	2.29E-02	3.61E-02	4.85E-02	1.80E-07	1.43E-03	1.18E-02	4.94E-03	0.00E+00	
North Carolina	Surry County	37171	R	Cadmium Compounds	4.31E-06	4.41E-06	6.59E-06	1.04E-05	1.21E-05	1.63E-05	1.77E-05	3.20E-05	1.97E-06	1.01E-05	0.00E+00	3.67E-09	0.00E+00	
North Carolina	Surry County	37171	R	Carbon Disulfide	4.72E-02	4.73E-02	4.73E-02	4.76E-02	4.78E-02	4.80E-02	4.84E-02	4.80E-02	4.97E-02	4.04E-05	7.79E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Surry County	37171	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.27E-05	1.53E-04	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	Surry County	37171	R	Chloroform	8.47E-02	8.53E-02	8.59E-02	8.65E-02	8.73E-02	8.77E-02	9.06E-02	9.40E-02	1.82E-05	4.31E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Surry County	37171	R	Chromium Compounds (includes Hexavalent)	2.11E-04	4.55E-04	6.11E-04	9.85E-04	3.09E-03	4.21E-03	1.07E-02	1.18E-02	3.00E-03	7.63E-05	1.24E-05	6.95E-07	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Chromium VI	1.04E-04	1.74E-04	2.65E-04	3.90E-04	1.10E-03	1.48E-03	3.70E-03	4.11E-03	1.04E-03	4.79E-05	4.92E-06	2.36E-07	0.00E+00	0.00E+00
North Carolina	Surry County	37171	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 Carolina	Surry County	37171	R	1,4-Dichlorobenzene	3.81E-03	6.19E-03	6.64E-03	7.86E-03	1.09E-02	1.25E-02	2.00E-02	3.04E-02	1.90E-06	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	1,3-Dichloropropene	7.37E-03	1.22E-02	1.28E-02	1.54E-02	2.16E-02	2.50E-02	4.03E-02	6.16E-02	0.00E+00	2.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	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	1.24E-08	2.08E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Surry County	37171	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.75E-06	3.39E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Surry County	37171	R	Ethylene Oxide	6.18E-05	6.31E-05	9.60E-05	1.45E-04	4.54E-04	2.80E-04	3.86E-04	3.59E-03	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Formaldehyde	3.96E-01	4.00E-01	4.03E-01	4.19E-01	4.46E-01	4.66E-01	5.28E-01	2.82E-02	3.41E-02	1.02E-01	1.02E-01	3.17E-02	0.00E+00	2.50E-01
North Carolina	Surry County	37171	R	Hexachlorobenzene	9.32E-05	9.34E-05	9.34E-05	9.36E-05	9.40E-05	9.44E-05	9.50E-05	9.55E-05	0.00E+00	9.51E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05
North Carolina	Surry County	37171	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	8.50E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03
North Carolina	Surry County	37171	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 Carolina	Surry County	37171	R	Hydrazine	4.66E-10	4.81E-10	7.59E-10	2.62E-09	1.65E-08	2.39E-08	3.72E-08	9.76E-08	0.00E+00	1.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Lead Compounds	1.22E-04	1.26E-04	1.85E-04	2.42E-04	3.15E-04	3.74E-04	6.22E-04	8.23E-04	3.15E-05	7.08E-05	0.00E+00	2.13E-04	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Manganese Compounds	5.73E-04	5.92E-04	6.45E-04	8.96E-04	9.24E-04	1.07E-03	1.38E-03	1.50E-03	7.13E-04	2.07E-04	3.97E-06	5.06E-07	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Mercury Compounds	1.53E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.59E-03	1.60E-03	4.17E-06	1.42E-05	2.16E-05	3.52E-06	0.00E+00	1.50E-03
North Carolina	Surry County	37171	R	Methylene Chloride	2.45E-01	3.63E-01	4.75E-01	6.63E-01	1.24E+00	1.84E+00	2.31E+00	4.57E+00	9.07E-01	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-01
North Carolina	Surry County	37171	R	Nickel Compounds	1.11E-04	2.18E-04	2.68E-04	3.80E-04	1.89E-03	3.55E-03	1.36E-02	1.21E-04	1.76E-03	9.37E-06	8.71E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Perchloroethylene	1.48E-01	1.49E-01	1.54E-01	1.58E-01	1.61E-01	1.63E-01	1.84E-01	1.87E-01	8.89E-05	2.12E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01
North Carolina	Surry County	37171	R	Polychlorinated Biphenyls	4.08E-04	4.22E-04	4.31E-04	4.56E-04	4.93E-04	5.49E-04	6.18E-04	6.83E-04	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	3.80E-04
North Carolina	Surry County	37171	R	Polycyclic Organic Matter	2.09E-02	2.18E-02	2.21E-02	2.48E-02	2.93E-02	3.49E-02	5.22E-02	5.08E-03	1.93E-02	4.28E-03	7.16E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	7-PAH	8.27E-04	9.13E-04	9.40E-04	1.05E-03	1.30E-03	1.57E-03	2.21E-03	2.34E-03	3.53E-07	1.26E-03	3.11E-05	8.26E-06	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Propylene Dichloride	9.62E-06	1.15E-05	1.35E-05	1.69E-05	2.33E-05	2.36E-05	2.88E-05	8.76E-05	5.70E-06	1.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Quinoline	1.56E-08	1.67E-08	2.23E-08	3.68E-08	7.16E-08	9.93E-08	1.30E-07	3.02E-07	0.00E+00	7.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	1,1,2,2-Tetrachloroethane	4.55E-05	5.82E-05	6.82E-05	1.03E-04	1.54E-04	1.34E-04	1.99E-04	7.33E-04	1.15E-05	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Surry County	37171	R	Trichloroethylene	8.22E-02	8.31E-02	8.32E-02	8.53E-02	8.84E-02	9.03E-02	9.75E-02	1.08E-01	2.82E-05	7.34E-03	0.00E+00	0.00E+00	0.00E+00	8.10E-02
North Carolina	Surry County	37171	R	Vinyl Chloride	1.18E-04	1.50E-04	1.71E-04	2.56E-04	3.84E-04	3.36E-04	4.95E-04	1.81E-03	2.98E-05	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Acetaldehyde	4.53E-02	4.53E-02	4.53E-02	5.48E-02	5.24E-02	5.73E-02	5.73E-02	5.73E-02	2.38E-04	1.45E-02	3.31E-02	4.62E-03	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Acrolein	2.07E-02	2.07E-02	2.07E-02	2.26E-02	2.21E-02	2.29E-02	2.29E-02	2.29E-02	5.73E-05	1.40E-02	6.13E-03	1.93E-03	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Acrylonitrile	5.81E-05	5.81E-05	5.81E-05	7.16E-05	7.35E-05	9.08E-05	9.08E-05	9.08E-05	0.00E+00	7.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Arsenic Compounds	9.42E-06	9.42E-06	9.42E-06	1.10E-05	1.25E-05	1.72E-05	1.72E-05	1.72E-05	3.37E-07	5.15E-06	5.81E-06	1.23E-06	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Benzene	6.17E-01	6.17E-01	6.17E-01	6.23E-01	6.24E-01	6.30E-01	6.30E-01	6.30E-01	8.08E-05	5.94E-02	5.49E-02	2.93E-02	4.80E-01	0.00E+00
North Carolina	Swain County	37173	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 Carolina	Swain County	37173	R	Beryllium Compounds	7.42E-07	7.42E-07	7.42E-07	8.39E-07	9.44E-07	1.25E-06	1.25E-06	1.25E-06	2.51E-08	9.15E-07	0.00E+00	3.85E-09	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	1,3-Butadiene	5.66E-03	5.66E-03	5.66E-03	8.11E-03	7.37E-03	8.35E-03	8.35E-03	8.35E-03	0.00E+00	3.78E-03	2.24E-03	1.35E-03	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Cadmium Compounds	1.53E-06	1.53E-06	1.53E-06	1.81E-06	2.14E-06	3.07E-06	3.07E-06	3.07E-06	7.65E-08	2.06E-06	0.00E+00	3.81E-09	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	1.57E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02
North Carolina	Swain County	37173	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	5.78E-07	4.86E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01
North Carolina	Swain County	37173	R	Chloroform	8.59E-02	8.59E-02	8.59E-02	8.63E-02	8.65E-02	8.74E-02	8.74E-02	8.74E-02	2.65E-07	3.54E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02
North Carolina	Swain County	37173	R	Chromium Compounds (includes Hexavalent)	8.95E-05	8.95E-05	8.95E-05	1.24E-04	2.06E-04	4.05E-04	4.05E-04	4.05E-04	1.60E-05	1.86E-04	3.64E-06	2.10E-07	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Chromium VI	8.69E-05	8.69E-05	8.69E-05	1.21E-04	2.03E-04	4.01E-04	4.01E-04	4.01E-04	1.60E-05	1.86E-04	1.43E-06	7.13E-08	0.00E+00	0.00E+00
North Carolina	Swain County	37173	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 Carolina	Swain County	37173	R	1,4-Dichlorobenzene	2.92E-03	2.92E-03	2.92E-03	3.21E-03	3.21E-03	3.51E-03	3.51E-03	3.51E-03	7.04E-09	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	1,3-Dichloropropene	5.65E-03	5.65E-03	5.65E-03	6.21E-03	6.21E-03	6.77E-03	6.77E-03	6.77E-03	0.00E+00	6.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	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	0.00E+00	7.70E-03
North Carolina	Swain County	37173	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	2.74E-06	3.46E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Swain County	37173	R	Ethylene Oxide	9.51E-05	9.51E-05	9.51E-05	9.64E-05	1.03E-04	1.17E-04	1.17E-04	1.17E-04	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Formaldehyde	3.46E-01	3.46E-01	3.46E-01	3.47E-01	3.50E-01	3.56E-01	3.56E-01	3.56E-01	2.16E-04	5.74E-02	3.22E-02	9.86E-03	2.50E-01	0.00E+00
North Carolina	Swain County	37173	R	Hexachlorobenzene	9													

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Swain County	37173	R	Polycyclic Organic Matter	9.41E-03	9.41E-03	9.41E-03	1.02E-02	1.02E-02	1.11E-02	1.11E-02	1.11E-02	4.37E-05	8.77E-03	1.26E-03	1.77E-04	0.00E+00
North Carolina	Swain County	37173	R	7-PAH	8.88E-04	8.88E-04	8.88E-04	9.44E-04	9.44E-04	1.00E-03	1.00E-03	1.00E-03	0.00E+00	9.32E-04	9.32E-06	3.23E-06	0.00E+00
North Carolina	Swain County	37173	R	Propylene Dichloride	1.06E-05	1.06E-05	1.06E-05	1.96E-05	3.70E-05	8.07E-05	8.07E-05	8.07E-05	6.97E-07	3.63E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Quinoline	2.42E-10	2.42E-10	2.42E-10	3.84E-10	1.47E-09	3.80E-09	3.80E-09	3.80E-09	0.00E+00	1.47E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	1,1,2,2-Tetrachloroethane	6.15E-06	6.15E-06	6.15E-06	1.26E-05	1.13E-05	1.52E-05	1.52E-05	1.52E-05	0.00E+00	1.13E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Swain County	37173	R	Trichloroethylene	8.24E-02	8.24E-02	8.24E-02	8.24E-02	8.24E-02	8.25E-02	8.25E-02	8.25E-02	6.47E-07	1.42E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Swain County	37173	R	Vinyl Chloride	2.22E-05	2.22E-05	2.22E-05	3.32E-05	3.15E-05	3.91E-05	3.91E-05	3.91E-05	2.74E-07	3.12E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Acetaldehyde	7.40E-02	7.40E-02	1.26E-01	1.77E-01	1.76E-01	2.41E-01	2.62E-01	2.62E-01	8.17E-02	9.87E-03	7.36E-02	1.10E-02	0.00E+00
North Carolina	Transylvania County	37175	R	Acrolein	1.91E-02	1.91E-02	2.39E-02	3.09E-02	2.99E-02	3.30E-02	4.18E-02	4.18E-02	2.26E-03	1.09E-02	1.31E-02	3.68E-03	0.00E+00
North Carolina	Transylvania County	37175	R	Acrylonitrile	1.35E-04	1.35E-04	1.38E-04	4.15E-04	4.64E-04	8.11E-04	8.73E-04	8.73E-04	6.29E-05	4.01E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Arsenic Compounds	4.21E-05	4.21E-05	7.52E-05	8.93E-05	9.78E-05	1.12E-04	1.79E-04	1.79E-04	7.76E-05	5.92E-06	1.10E-05	3.31E-06	0.00E+00
North Carolina	Transylvania County	37175	R	Benzene	6.19E-01	6.19E-01	6.59E-01	7.46E-01	7.70E-01	7.65E-01	1.08E+00	1.08E+00	1.20E-03	8.92E-02	1.32E-01	6.76E-02	4.80E-01
North Carolina	Transylvania County	37175	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 Carolina	Transylvania County	37175	R	Beryllium Compounds	2.42E-06	2.42E-06	8.72E-06	1.86E-05	1.93E-05	2.51E-05	4.22E-05	4.22E-05	1.76E-05	1.60E-06	0.00E+00	4.03E-08	0.00E+00
North Carolina	Transylvania County	37175	R	1,3-Butadiene	6.27E-03	6.27E-03	7.96E-03	9.49E-03	1.47E-02	1.22E-02	4.27E-02	4.27E-02	5.66E-06	2.66E-03	6.68E-03	5.34E-03	0.00E+00
North Carolina	Transylvania County	37175	R	Cadmium Compounds	1.48E-05	1.48E-05	1.96E-05	2.59E-05	2.48E-05	2.63E-05	3.65E-05	3.65E-05	2.17E-05	3.07E-06	0.00E+00	4.01E-08	0.00E+00
North Carolina	Transylvania County	37175	R	Carbon Disulfide	4.91E-02	4.91E-02	5.01E-02	5.01E-02	5.17E-02	5.02E-02	6.05E-02	6.05E-02	1.89E-03	2.80E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Transylvania County	37175	R	Carbon Tetrachloride	8.82E-01	8.82E-01	8.82E-01	8.83E-01	8.83E-01	8.83E-01	8.84E-01	8.84E-01	2.69E-03	1.28E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Transylvania County	37175	R	Chloroform	9.75E-02	9.75E-02	1.07E-01	1.18E-01	1.29E-01	1.40E-01	1.96E-01	1.96E-01	3.44E-02	1.20E-02	0.00E+00	0.00E+00	8.30E-02
North Carolina	Transylvania County	37175	R	Chromium Compounds (includes Hexavalent)	1.77E-04	1.77E-04	2.18E-04	2.27E-04	2.39E-04	2.68E-04	3.15E-04	3.15E-04	1.42E-04	8.76E-05	7.75E-06	6.94E-07	0.00E+00
North Carolina	Transylvania County	37175	R	Chromium VI	1.08E-04	1.08E-04	1.24E-04	1.37E-04	1.61E-04	1.98E-04	2.71E-04	2.71E-04	8.20E-05	7.56E-05	3.08E-06	2.36E-07	0.00E+00
North Carolina	Transylvania County	37175	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 Carolina	Transylvania County	37175	R	1,4-Dichlorobenzene	2.76E-03	2.76E-03	3.38E-03	7.11E-03	8.35E-03	8.63E-03	2.11E-02	2.11E-02	1.55E-07	8.35E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	1,3-Dichloropropene	5.14E-03	5.14E-03	6.47E-03	1.34E-02	1.62E-02	1.68E-02	4.20E-02	4.20E-02	0.00E+00	1.62E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	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	9.02E-09	6.54E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Transylvania County	37175	R	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	6.13E-02	6.14E-02	6.14E-02	2.45E-04	1.45E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Transylvania County	37175	R	Ethylene Oxide	8.76E-05	8.76E-05	1.06E-04	1.94E-04	2.62E-04	2.90E-04	7.00E-04	7.00E-04	0.00E+00	2.62E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Formaldehyde	3.31E-01	3.31E-01	3.66E-01	3.94E-01	4.01E-01	4.14E-01	5.10E-01	5.10E-01	1.01E-02	4.55E-02	7.04E-02	2.54E-02	2.50E-01
North Carolina	Transylvania County	37175	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.35E-05	9.36E-05	9.45E-05	9.45E-05	9.45E-05	2.12E-08	5.94E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Transylvania County	37175	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	6.03E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Transylvania County	37175	R	Hexamethylene Diisocyanate	1.79E-06	1.79E-06	1.80E-06	2.27E-06	2.52E-06	2.75E-06	4.24E-06	4.24E-06	0.00E+00	2.52E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Hydrazine	1.66E-09	1.66E-09	2.02E-09	2.65E-09	1.70E-07	6.41E-09	1.00E-06	1.00E-06	0.00E+00	1.70E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Lead Compounds	1.31E-04	1.31E-04	2.19E-04	2.67E-04	2.71E-04	3.43E-04	4.02E-04	4.02E-04	1.42E-04	6.07E-05	0.00E+00	6.87E-05	0.00E+00
North Carolina	Transylvania County	37175	R	Manganese Compounds	4.11E-04	4.11E-04	4.89E-04	5.66E-04	5.85E-04	6.92E-04	7.84E-04	7.84E-04	4.48E-04	1.34E-04	2.35E-06	4.14E-07	0.00E+00
North Carolina	Transylvania County	37175	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.54E-03	4.94E-06	3.93E-06	1.19E-05	2.47E-06	1.50E-03
North Carolina	Transylvania County	37175	R	Methylene Chloride	1.66E-01	1.66E-01	1.69E-01	1.77E-01	1.90E-01	1.94E-01	2.54E-01	2.54E-01	3.58E-04	3.92E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Transylvania County	37175	R	Nickel Compounds	7.56E-05	7.56E-05	1.34E-04	2.14E-04	2.13E-04	3.13E-04	3.27E-04	3.27E-04	1.37E-04	6.96E-05	5.77E-06	7.39E-07	0.00E+00
North Carolina	Transylvania County	37175	R	Perchloroethylene	1.44E-01	1.44E-01	1.46E-01	1.53E-01	1.52E-01	1.53E-01	1.64E-01	1.64E-01	4.88E-04	1.15E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Transylvania County	37175	R	Polychlorinated Biphenyls	4.07E-04	4.07E-04	4.10E-04	4.28E-04	4.44E-04	4.44E-04	5.46E-04	5.46E-04	3.85E-07	6.34E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Transylvania County	37175	R	Polycyclic Organic Matter	9.34E-03	9.34E-03	1.15E-02	1.78E-02	1.95E-02	2.01E-02	4.02E-02	4.02E-02	1.01E-04	1.59E-02	2.77E-03	6.55E-04	0.00E+00
North Carolina	Transylvania County	37175	R	7-PAH	7.48E-04	7.48E-04	8.55E-04	1.06E-03	1.18E-03	1.19E-03	2.19E-03	2.19E-03	5.67E-09	1.18E-03	1.89E-05	7.72E-06	0.00E+00
North Carolina	Transylvania County	37175	R	Propylene Dichloride	6.03E-06	6.03E-06	7.39E-06	2.17E-05	2.94E-05	3.75E-05	8.22E-05	8.22E-05	1.87E-06	2.76E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Quinoline	9.55E-08	9.55E-08	9.67E-08	1.18E-07	7.18E-07	2.20E-07	3.66E-06	3.66E-06	0.00E+00	7.18E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	1,1,2,2-Tetrachloroethane	1.84E-05	1.84E-05	2.19E-05	3.85E-05	7.45E-05	6.26E-05	2.67E-04	2.67E-04	0.00E+00	7.45E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Transylvania County	37175	R	Trichloroethylene	8.26E-02	8.26E-02	8.30E-02	8.45E-02	8.65E-02	8.83E-02	9.63E-02	9.63E-02	5.54E-04	4.97E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Transylvania County	37175	R	Vinyl Chloride	6.31E-05	6.31E-05	7.64E-05	1.40E-04	2.07E-04	1.58E-04	6.63E-04	6.63E-04	6.66E-07	2.06E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Acetaldehyde	5.74E-02	5.74E-02	5.74E-02	5.74E-02	5.74E-02	5.74E-02	5.74E-02	5.74E-02	1.88E-02	2.99E-03	4.90E-03	3.07E-02	0.00E+00
North Carolina	Tyrrell County	37177	R	Acrolein	7.10E-03	7.10E-03	7.10E-03	7.10E-03	7.10E-03	7.10E-03	7.10E-03	7.10E-03	3.20E-04	2.50E-03	9.53E-04	3.32E-03	0.00E+00
North Carolina	Tyrrell County	37177	R	Acrylonitrile	4.30E-06	4.30E-06	4.30E-06	4.30E-06	4.30E-06	4.30E-06	4.30E-06	4.30E-06	0.00E+00	4.30E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Arsenic Compounds	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.65E-06	2.07E-08	4.33E-07	7.91E-07	1.41E-06	0.00E+00
North Carolina	Tyrrell County	37177	R	Benzene	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	5.53E-01	6.79E-05	1.05E-02	8.50E-03	5.45E-02	4.80E-01
North Carolina	Tyrrell County	37177	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 Carolina	Tyrrell County	37177	R	Beryllium Compounds	9.58E-08	9.58E-08	9.58E-08	9.58E-08	9.58E-08	9.58E-08	9.58E-08	9.58E-08	1.69E-08	7.77E-08	0.00E+00	1.28E-09	0.00E+00
North Carolina	Tyrrell County	37177	R	1,3-Butadiene	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	3.21E-03	0.00E+00	8.39E-04	3.42E-04	2.03E-03	0.00E+00
North Carolina	Tyrrell County	37177	R	Cadmium Compounds	2.24E-07	2.24E-07	2.24E-07	2.24E-07	2.24E-07	2.24E-07	2.24E-07	2.24E-07	1.79E-08	2.02E-07	0.00E+00	4.01E-09	0.00E+00
North Carolina	Tyrrell County	37177	R	Carbon Disulfide	4.92E-02	4.92E-02	4.92E-02	4.92E-02	4.92E-02	4.92E-02	4.92E-02	4.92E-02	2.20E-03	3.19E-05	0.00E+00	0.00E+00	4.70E-02
North Carolina	Tyrrell County	37177	R	Carbon Tetrachloride	8.83E-01	8.83E-01	8.83E-01</										

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Tyrrell County	37177	R	Ethylene Dichloride	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	2.81E-04	5.19E-07	0.00E+00	0.00E+00	0.00E+00	6.10E-02
North Carolina	Tyrrell County	37177	R	Ethylene Oxide	8.62E-06	8.62E-06	8.62E-06	8.62E-06	8.62E-06	8.62E-06	8.62E-06	8.62E-06	8.62E-06	0.00E+00	8.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Formaldehyde	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	4.43E-03	1.25E-02	4.63E-03	2.38E-02	2.50E-01	
North Carolina	Tyrrell County	37177	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	5.17E-08	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Tyrrell County	37177	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.53E-09	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Tyrrell County	37177	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 Carolina	Tyrrell County	37177	R	Hydrazine	1.16E-10	1.16E-10	1.16E-10	1.16E-10	1.16E-10	1.16E-10	1.16E-10	1.16E-10	1.16E-10	0.00E+00	1.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Lead Compounds	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	1.00E-04	0.00E+00	5.19E-06	0.00E+00	9.50E-05	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Manganese Compounds	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	0.00E+00	3.91E-05	1.38E-07	2.31E-07	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	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	2.08E-07	9.18E-07	9.68E-07	1.50E-03	
North Carolina	Tyrrell County	37177	R	Methylene Chloride	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	2.80E-04	2.02E-03	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Tyrrell County	37177	R	Nickel Compounds	5.18E-06	5.18E-06	5.18E-06	5.18E-06	5.18E-06	5.18E-06	5.18E-06	5.18E-06	5.18E-06	0.00E+00	3.78E-06	3.78E-07	1.02E-06	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	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	5.78E-04	8.89E-04	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Tyrrell County	37177	R	Polychlorinated Biphenyls	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	3.85E-04	0.00E+00	4.51E-06	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Tyrrell County	37177	R	Polycyclic Organic Matter	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.74E-08	1.37E-03	1.83E-04	2.53E-04	0.00E+00	0.00E+00	
North Carolina	Tyrrell County	37177	R	7-PAH	1.71E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04	0.00E+00	1.55E-04	1.22E-06	1.45E-05	0.00E+00	0.00E+00	
North Carolina	Tyrrell County	37177	R	Propylene Dichloride	2.19E-07	2.19E-07	2.19E-07	2.19E-07	2.19E-07	2.19E-07	2.19E-07	2.19E-07	0.00E+00	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Quinoline	2.69E-09	2.69E-09	2.69E-09	2.69E-09	2.69E-09	2.69E-09	2.69E-09	2.69E-09	2.69E-09	0.00E+00	2.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	1,1,2,2-Tetrachloroethane	1.24E-06	1.24E-06	1.24E-06	1.24E-06	1.24E-06	1.24E-06	1.24E-06	1.24E-06	1.24E-06	0.00E+00	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Tyrrell County	37177	R	Trichloroethylene	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	5.75E-04	1.54E-04	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Tyrrell County	37177	R	Vinyl Chloride	3.14E-06	3.14E-06	3.14E-06	3.14E-06	3.14E-06	3.14E-06	3.14E-06	3.14E-06	3.14E-06	0.00E+00	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Acetaldehyde	1.25E-01	1.47E-01	2.74E-01	4.27E-01	4.26E-01	5.69E-01	7.14E-01	7.36E-01	8.79E-02	2.26E-02	2.64E-01	5.06E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Acrolein	2.41E-02	2.68E-02	4.45E-02	5.91E-02	5.85E-02	7.12E-02	8.90E-02	9.33E-02	2.54E-03	3.75E-03	3.57E-02	1.05E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Acrylonitrile	4.72E-05	9.10E-05	2.46E-04	4.43E-04	4.27E-04	5.28E-04	7.91E-04	1.22E-03	1.25E-06	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Arsenic Compounds	2.02E-05	3.00E-05	6.42E-05	9.01E-05	8.42E-05	1.13E-04	1.33E-04	1.47E-04	3.94E-05	9.24E-06	2.81E-05	7.49E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Benzene	6.99E-01	7.25E-01	8.02E-01	9.80E-01	1.00E+00	1.18E+00	1.29E+00	1.31E+00	5.53E-04	9.83E-02	3.48E-01	7.62E-02	4.80E-01		
North Carolina	Union County	37179	U	Benzidine	4.07E-13	6.43E-13	9.69E-13	1.68E-12	2.29E-12	2.46E-12	4.91E-12	8.97E-12	0.00E+00	2.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Beryllium Compounds	2.10E-06	2.12E-06	4.78E-06	5.68E-06	7.54E-06	7.30E-06	1.71E-05	1.77E-05	4.18E-06	2.92E-06	0.00E+00	4.36E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	1,3-Butadiene	6.74E-03	8.23E-03	1.10E-02	1.58E-02	2.24E-02	4.24E-02	4.45E-02	4.24E-02	4.45E-02	1.36E-06	1.12E-06	1.58E-02	5.39E-03	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Cadmium Compounds	4.12E-06	6.12E-06	1.46E-05	2.20E-05	2.06E-05	2.64E-05	3.17E-05	3.53E-05	5.25E-06	1.49E-05	0.00E+00	4.34E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Carbon Disulfide	4.75E-02	4.75E-02	4.86E-02	4.94E-02	4.92E-02	5.01E-02	5.04E-02	5.05E-02	8.88E-04	1.29E-03	0.00E+00	0.00E+00	4.70E-02		
North Carolina	Union County	37179	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	8.82E-01	8.82E-01	1.07E-03	2.38E-04	0.00E+00	0.00E+00	8.80E-01		
North Carolina	Union County	37179	U	Chloroform	8.87E-02	8.92E-02	9.63E-02	9.83E-02	1.00E-01	1.05E-01	1.12E-01	1.14E-01	5.56E-03	1.16E-02	0.00E+00	0.00E+00	8.30E-02		
North Carolina	Union County	37179	U	Chromium Compounds (includes Hexavalent)	4.67E-05	7.49E-05	1.39E-04	1.65E-04	1.65E-04	2.10E-04	2.34E-04	2.58E-04	4.38E-05	9.85E-05	2.19E-05	1.15E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Chromium VI	2.15E-05	2.43E-05	4.04E-05	6.09E-05	6.26E-05	8.28E-05	1.10E-04	1.11E-04	1.41E-05	3.94E-05	8.75E-06	3.90E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	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 Carolina	Union County	37179	U	1,4-Dichlorobenzene	6.75E-03	7.05E-03	1.04E-02	1.49E-02	1.69E-02	2.15E-02	2.84E-02	3.36E-02	6.58E-06	1.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	1,3-Dichloropropene	1.27E-02	1.32E-02	1.98E-02	2.83E-02	3.26E-02	4.15E-02	5.58E-02	6.64E-02	0.00E+00	3.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.14E-08	5.21E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Union County	37179	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.13E-02	9.55E-05	1.34E-05	0.00E+00	0.00E+00	6.10E-02		
North Carolina	Union County	37179	U	Ethylene Oxide	9.81E-05	1.42E-04	3.69E-04	8.21E-04	7.00E-04	9.18E-04	1.19E-03	1.36E-03	1.79E-04	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Formaldehyde	3.92E-01	4.01E-01	4.88E-01	6.20E-01	5.96E-01	6.66E-01	7.85E-01	7.99E-01	8.27E-03	4.31E-02	2.02E-01	9.24E-02	2.50E-01		
North Carolina	Union County	37179	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.35E-05	9.36E-05	9.38E-05	9.42E-05	9.48E-05	9.50E-05	2.55E-08	8.19E-07	0.00E+00	0.00E+00	9.30E-05		
North Carolina	Union County	37179	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	1.25E-09	2.65E-07	0.00E+00	0.00E+00	1.80E-03		
North Carolina	Union County	37179	U	Hexamethylene Diisocyanate	1.53E-07	7.82E-07	8.46E-06	1.03E-05	1.04E-04	2.46E-04	3.71E-04	4.15E-04	9.47E-05	9.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Hydrazine	9.55E-10	2.64E-09	3.34E-06	6.58E-06	6.52E-06	8.54E-06	1.27E-05	1.97E-05	1.77E-08	6.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Lead Compounds	1.34E-04	2.75E-04	8.38E-04	1.10E-03	1.16E-03	1.43E-03	1.75E-03	3.86E-03	8.08E-05	5.54E-04	0.00E+00	5.26E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Manganese Compounds	2.84E-04	3.57E-04	5.16E-04	7.13E-04	8.75E-04	1.00E-03	1.93E-03	2.35E-03	3.40E-04	5.27E-04	6.81E-06	8.38E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Mercury Compounds	1.58E-03	1.61E-03	1.65E-03	1.77E-03	1.83E-03	1.86E-03	2.02E-03	2.82E-03	1.46E-05	2.78E-04	2.93E-05	6.40E-06	0.00E+00	0.00E+00	1.50E-03
North Carolina	Union County	37179	U	Methylene Chloride	1.75E-01	1.78E-01	2.02E-01	2.68E-01	2.56E-01	2.78E-01	3.47E-01	3.53E-01	3.39E-02	7.17E-02	0.00E+00	0.00E+00	1.50E-01		
North Carolina	Union County	37179	U	Nickel Compounds	1.07E-04	1.25E-04	1.59E-04	2.43E-04	2.39E-04	2.65E-04	3.02E-04	6.28E-04	6.27E-05	1.58E-04	1.63E-05	1.42E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Union County	37179	U	Perchloroethylene	1.53E-01	1.58E-01	1.67E-01	1.											

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Vance County	37181	R	Benzene	6.67E-01	6.76E-01	7.17E-01	8.83E-01	8.89E-01	9.96E-01	1.17E+00	1.25E+00	1.01E-05	9.92E-02	2.77E-01	3.28E-02	4.80E-01	
North Carolina	Vance County	37181	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 Carolina	Vance County	37181	R	Beryllium Compounds	1.14E-06	1.32E-06	1.68E-06	7.45E-06	6.32E-06	8.73E-06	1.15E-05	1.19E-05	3.45E-06	2.82E-06	0.00E+00	4.16E-08	0.00E+00	
North Carolina	Vance County	37181	R	1,3-Butadiene	6.69E-03	6.83E-03	8.24E-03	2.05E-02	2.45E-02	3.14E-02	5.18E-02	6.22E-02	0.00E+00	1.63E-03	2.08E-02	2.03E-03	0.00E+00	
North Carolina	Vance County	37181	R	Cadmium Compounds	1.81E-06	2.19E-06	3.19E-06	1.05E-04	6.99E-05	1.14E-04	1.23E-04	1.26E-04	6.51E-05	4.73E-06	0.00E+00	4.15E-08	0.00E+00	
North Carolina	Vance County	37181	R	Carbon Disulfide	4.77E-02	4.79E-02	4.82E-02	4.85E-02	4.85E-02	4.88E-02	4.93E-02	4.97E-02	1.75E-06	1.54E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Vance County	37181	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	1.69E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Vance County	37181	R	Chloroform	8.65E-02	8.74E-02	8.99E-02	9.50E-02	9.83E-02	1.04E-01	1.15E-01	1.19E-01	8.77E-07	1.53E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Vance County	37181	R	Chromium Compounds (includes Hexavalent)	2.22E-05	2.24E-05	3.41E-05	1.29E-03	8.63E-04	1.41E-03	1.56E-03	1.62E-03	8.29E-04	1.58E-05	1.77E-05	3.58E-07	0.00E+00	
North Carolina	Vance County	37181	R	Chromium VI	1.41E-05	1.50E-05	2.06E-05	1.25E-03	8.31E-04	1.36E-03	1.52E-03	1.58E-03	8.11E-04	1.24E-05	7.08E-06	1.22E-07	0.00E+00	
North Carolina	Vance County	37181	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 Carolina	Vance County	37181	R	1,4-Dichlorobenzene	6.85E-03	6.92E-03	8.65E-03	1.10E-02	1.43E-02	1.89E-02	2.65E-02	2.99E-02	0.00E+00	1.43E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	1,3-Dichloropropene	6.69E-03	8.07E-03	1.20E-02	1.92E-02	2.53E-02	3.43E-02	5.16E-02	5.90E-02	0.00E+00	2.53E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	5.32E-06	4.66E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Vance County	37181	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	4.38E-07	5.90E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Vance County	37181	R	Ethylene Oxide	5.71E-05	5.86E-05	7.38E-05	1.34E-04	3.76E-04	2.82E-04	1.33E-03	2.34E-03	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	Formaldehyde	3.75E-01	4.16E-01	4.69E-01	5.49E-01	5.80E-01	5.78E-01	8.64E-01	1.07E+00	1.19E-01	4.96E-02	1.35E-01	2.67E-02	2.50E-01	
North Carolina	Vance County	37181	R	Hexachlorobenzene	9.32E-05	9.33E-05	9.34E-05	9.36E-05	9.38E-05	9.42E-05	9.44E-05	9.44E-05	0.00E+00	7.57E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Vance County	37181	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	9.02E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Vance County	37181	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-06	5.67E-06	7.90E-06	9.76E-06	0.00E+00	2.15E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	Hydrazine	4.54E-09	5.46E-09	7.00E-09	7.65E-09	1.00E-08	1.23E-08	1.93E-08	2.16E-08	0.00E+00	1.00E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	Lead Compounds	2.55E-04	2.64E-04	4.50E-04	6.43E-04	7.80E-04	7.68E-04	1.79E-03	2.60E-03	4.13E-04	2.95E-04	0.00E+00	7.25E-05	0.00E+00	
North Carolina	Vance County	37181	R	Manganese Compounds	1.54E-04	1.80E-04	2.10E-04	3.87E-04	4.20E-04	5.65E-04	7.24E-04	7.53E-04	2.13E-05	3.92E-04	5.64E-06	4.33E-07	0.00E+00	
North Carolina	Vance County	37181	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.55E-03	1.55E-03	1.58E-03	1.59E-03	7.24E-06	7.24E-06	2.67E-05	3.94E-06	1.50E-03	
North Carolina	Vance County	37181	R	Methylene Chloride	1.76E-01	1.77E-01	1.79E-01	1.99E-01	2.13E-01	2.27E-01	2.86E-01	3.04E-01	6.45E-03	5.65E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Vance County	37181	R	Nickel Compounds	5.62E-05	5.71E-05	6.37E-05	1.43E-04	1.80E-04	2.99E-04	3.78E-04	3.85E-04	1.94E-05	1.47E-04	1.32E-05	6.80E-07	0.00E+00	
North Carolina	Vance County	37181	R	Perchloroethylene	1.46E-01	1.48E-01	1.53E-01	1.73E-01	1.83E-01	2.20E-01	2.22E-01	2.24E-01	3.96E-07	4.34E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Vance County	37181	R	Polychlorinated Biphenyls	4.05E-04	4.11E-04	4.23E-04	4.50E-04	4.69E-04	5.28E-04	5.42E-04	5.46E-04	0.00E+00	8.89E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Vance County	37181	R	Polycyclic Organic Matter	1.30E-02	1.40E-02	1.64E-02	2.28E-02	2.66E-02	3.57E-02	4.56E-02	4.39E-02	6.27E-05	2.01E-02	6.11E-03	4.16E-04	0.00E+00	
North Carolina	Vance County	37181	R	7-PAH	7.98E-04	8.02E-04	8.08E-04	1.02E-03	1.25E-03	1.69E-03	1.93E-03	2.00E-03	8.82E-11	1.21E-03	4.21E-05	6.28E-06	0.00E+00	
North Carolina	Vance County	37181	R	Propylene Dichloride	1.23E-05	1.34E-05	1.76E-05	2.77E-05	3.02E-05	3.40E-05	5.71E-05	6.72E-05	0.00E+00	3.02E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	Quinoline	1.50E-07	1.74E-07	2.08E-07	2.33E-07	2.65E-07	2.92E-07	4.24E-07	4.47E-07	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	1,1,2,2-Tetrachloroethane	9.52E-05	1.02E-04	1.25E-04	2.14E-04	2.40E-04	2.69E-04	4.76E-04	5.53E-04	0.00E+00	2.40E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Vance County	37181	R	Trichloroethylene	8.25E-02	8.29E-02	8.34E-02	8.63E-02	8.80E-02	9.06E-02	9.74E-02	1.02E-01	0.00E+00	6.96E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Vance County	37181	R	Vinyl Chloride	5.34E-04	5.38E-04	6.86E-04	9.40E-04	9.50E-04	1.03E-03	1.53E-03	1.75E-03	0.00E+00	9.50E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wake County	37183	U	Acetaldehyde	2.72E-01	3.30E-01	4.55E-01	5.87E-01	6.67E-01	7.64E-01	1.16E+00	1.34E+00	1.22E-02	2.61E-02	5.34E-01	9.43E-02	0.00E+00	
North Carolina	Wake County	37183	U	Acrolein	5.36E-02	5.86E-02	7.98E-02	9.11E-02	9.51E-02	1.14E-01	1.26E-01	1.31E-01	4.58E-04	1.16E-02	6.94E-02	1.37E-02	0.00E+00	
North Carolina	Wake County	37183	U	Acrylonitrile	2.77E-04	3.00E-04	3.51E-04	5.37E-04	1.32E-03	9.87E-04	2.22E-03	2.83E-03	7.31E-04	5.86E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wake County	37183	U	Arsenic Compounds	4.89E-05	6.42E-05	1.34E-04	1.73E-04	1.71E-04	2.15E-04	2.44E-04	2.62E-04	6.53E-05	1.84E-05	6.84E-05	1.90E-05	0.00E+00	
North Carolina	Wake County	37183	U	Benzene	9.52E-01	1.04E+00	1.24E+00	1.46E+00	1.62E+00	1.84E+00	2.32E+00	2.52E+00	2.04E-03	9.63E-02	8.74E-01	1.72E-01	4.80E-01	
North Carolina	Wake County	37183	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 Carolina	Wake County	37183	U	Beryllium Compounds	6.67E-06	8.69E-06	1.15E-05	1.49E-05	1.72E-05	1.87E-05	2.99E-05	3.39E-05	1.24E-05	4.61E-06	0.00E+00	2.33E-07	0.00E+00	
North Carolina	Wake County	37183	U	1,3-Butadiene	1.76E-02	2.18E-02	3.83E-02	5.75E-02	7.53E-02	9.51E-02	1.45E-01	1.71E-01	8.96E-09	9.35E-04	5.72E-02	1.72E-02	0.00E+00	
North Carolina	Wake County	37183	U	Cadmium Compounds	4.90E-06	5.16E-06	5.47E-06	6.32E-06	8.20E-06	8.68E-06	1.40E-05	1.61E-05	1.96E-06	6.00E-06	0.00E+00	2.32E-07	0.00E+00	
North Carolina	Wake County	37183	U	Carbon Disulfide	4.75E-02	4.75E-02	4.76E-02	4.78E-02	4.83E-02	4.81E-02	4.88E-02	4.96E-02	1.07E-04	1.21E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Wake County	37183	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.35E-06	2.95E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Wake County	37183	U	Chloroform	1.16E-01	1.21E-01	1.44E-01	1.58E-01	1.57E-01	1.71E-01	1.87E-01	1.95E-01	1.85E-06	7.40E-02	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Wake County	37183	U	Chromium Compounds (includes Hexavalent)	1.26E-04	1.99E-04	2.80E-04	4.14E-04	1.22E-03	6.62E-04	1.31E-03	1.88E-03	8.38E-05	1.08E-03	5.94E-05	2.50E-06	0.00E+00	
North Carolina	Wake County	37183	U	Chromium VI	6.75E-05	9.21E-05	1.19E-04	1.62E-04	4.36E-04	2.49E-04	4.63E-04	6.64E-04	4.32E-05	3.68E-04	2.37E-05	8.51E-07	0.00E+00	
North Carolina	Wake County	37183	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 Carolina	Wake County	37183	U	1,4-Dichlorobenzene	1.65E-02	1.90E-02	2.82E-02	3.64E-02	3.55E-02	4.22E-02	4.85E-02	5.37E-02	6.81E-05	3.55E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wake County	37183	U	1,3-Dichloropropene	3.21E-02	3.68E-02	5.49E-02	7.22E-02	7.06E-02	8.41E-02	9.72E-02	1.08E-01	0.00E+00	7.06E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wake County	37183	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.23E-07	3.13E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Wake County	37183	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.11E-02	6.13E-02	6.13E-02	8.88E-05	6.25E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Wake County	37183	U	Ethylene Oxide	1.80E-04	2.77E-04	4.27E-04	6.07E-04	8.70E-04	9.90E-04	1.52E-03	2.43E-03	4.57E-05	8.24E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wake County	37183	U	Formaldehyde	5.30E-01	6.00E-01	7.94E-01	8.95E-01	9.43E-01	1.06E+00	1.27E+00	1.41E+00	9.02E-02	3.53E-02	4.03E-01	1.64E-01	2.50E-01	
North Carolina	Wake County	37183	U	Hexachlorobenzene	9.34E-05	9.35E-05	9.36E-05	9.38E-05										

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**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Wake County	37183	U	Nickel Compounds	7.59E-05	8.64E-05	1.34E-04	1.59E-04	1.54E-04	1.78E-04	2.00E-04	2.18E-04	5.98E-05	4.72E-05	4.40E-05	3.40E-06	0.00E+00
North Carolina	Wake County	37183	U	Perchloroethylene	1.64E-01	1.71E-01	1.95E-01	2.15E-01	2.15E-01	2.31E-01	2.55E-01	2.68E-01	1.39E-03	7.37E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Wake County	37183	U	Polychlorinated Biphenyls	4.25E-04	4.36E-04	4.57E-04	4.82E-04	4.78E-04	4.95E-04	5.11E-04	5.36E-04	0.00E+00	9.80E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Wake County	37183	U	Polycyclic Organic Matter	3.02E-02	3.35E-02	4.33E-02	5.27E-02	5.48E-02	6.25E-02	7.26E-02	8.03E-02	7.16E-04	3.05E-02	2.06E-02	2.99E-03	0.00E+00
North Carolina	Wake County	37183	U	7-PAH	9.06E-04	9.46E-04	1.04E-03	1.17E-03	1.19E-03	1.26E-03	1.47E-03	1.57E-03	1.57E-04	1.03E-03	1.31E-04	3.16E-05	0.00E+00
North Carolina	Wake County	37183	U	Propylene Dichloride	1.58E-05	1.70E-05	1.97E-05	3.07E-05	7.69E-05	5.65E-05	1.31E-04	1.58E-04	4.43E-05	3.26E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wake County	37183	U	Quinoline	1.33E-08	1.43E-08	1.71E-08	2.42E-08	4.77E-08	7.04E-08	1.18E-07	1.28E-07	0.00E+00	4.77E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wake County	37183	U	1,1,2,2-Tetrachloroethane	1.35E-04	1.41E-04	1.71E-04	2.69E-04	6.82E-04	4.94E-04	1.18E-03	1.44E-03	4.06E-04	2.76E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wake County	37183	U	Trichloroethylene	8.75E-02	8.88E-02	9.39E-02	9.93E-02	1.05E-01	1.10E-01	1.30E-01	1.45E-01	8.51E-04	2.33E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Wake County	37183	U	Vinyl Chloride	4.31E-04	5.25E-04	6.91E-04	8.63E-04	1.87E-03	1.39E-03	2.96E-03	3.72E-03	9.99E-04	8.68E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Acetaldehyde	9.74E-02	9.74E-02	1.07E-01	1.19E-01	1.29E-01	1.51E-01	1.80E-01	1.80E-01	4.53E-03	4.37E-02	7.31E-02	7.55E-03	0.00E+00
North Carolina	Warren County	37185	R	Acrolein	1.45E-02	1.45E-02	1.68E-02	1.92E-02	1.93E-02	2.17E-02	2.42E-02	2.42E-02	2.09E-05	7.49E-03	1.05E-02	1.23E-03	0.00E+00
North Carolina	Warren County	37185	R	Acrylonitrile	4.49E-05	4.49E-05	6.43E-05	1.08E-04	1.05E-04	1.46E-04	1.60E-04	1.60E-04	0.00E+00	1.05E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Arsenic Compounds	1.08E-05	1.08E-05	1.28E-05	1.73E-05	1.80E-05	2.32E-05	2.67E-05	2.67E-05	1.60E-07	4.99E-06	1.08E-05	2.12E-06	0.00E+00
North Carolina	Warren County	37185	R	Benzene	5.87E-01	5.87E-01	6.00E-01	6.28E-01	6.43E-01	6.85E-01	7.28E-01	7.28E-01	2.83E-05	4.86E-02	1.00E-01	1.42E-02	4.80E-01
North Carolina	Warren County	37185	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 Carolina	Warren County	37185	R	Beryllium Compounds	8.54E-07	8.54E-07	9.76E-07	7.32E-06	7.52E-06	1.41E-05	1.46E-05	1.46E-05	6.64E-06	8.58E-07	0.00E+00	2.09E-08	0.00E+00
North Carolina	Warren County	37185	R	1,3-Butadiene	4.19E-03	4.19E-03	4.31E-03	5.32E-03	7.19E-03	1.01E-02	1.39E-02	1.39E-02	0.00E+00	1.81E-03	4.72E-03	6.63E-04	0.00E+00
North Carolina	Warren County	37185	R	Cadmium Compounds	1.41E-06	1.41E-06	1.74E-06	4.52E-06	4.48E-06	7.22E-06	7.47E-06	7.47E-06	2.87E-06	1.59E-06	0.00E+00	2.08E-08	0.00E+00
North Carolina	Warren County	37185	R	Carbon Disulfide	4.72E-02	4.72E-02	4.74E-02	4.77E-02	4.76E-02	4.78E-02	4.78E-02	4.83E-02	4.83E-07	5.40E-04	0.00E+00	0.00E+00	4.70E-02
North Carolina	Warren County	37185	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	5.47E-05	0.00E+00	0.00E+00	8.80E-01
North Carolina	Warren County	37185	R	Chloroform	8.57E-02	8.57E-02	8.62E-02	8.70E-02	8.69E-02	8.76E-02	8.81E-02	8.81E-02	3.68E-05	3.90E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Warren County	37185	R	Chromium Compounds (includes Hexavalent)	4.78E-05	4.78E-05	1.11E-04	2.16E-04	2.00E-04	2.90E-04	3.21E-04	3.21E-04	1.16E-04	7.67E-05	6.89E-06	1.46E-07	0.00E+00
North Carolina	Warren County	37185	R	Chromium VI	3.81E-05	3.81E-05	1.02E-04	2.10E-04	1.93E-04	2.84E-04	3.15E-04	3.15E-04	1.16E-04	7.44E-05	2.76E-06	4.97E-08	0.00E+00
North Carolina	Warren County	37185	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 Carolina	Warren County	37185	R	1,4-Dichlorobenzene	2.47E-03	2.47E-03	3.64E-03	5.21E-03	4.74E-03	5.83E-03	6.06E-03	6.06E-03	0.00E+00	4.74E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	1,3-Dichloropropene	4.74E-03	4.74E-03	5.85E-03	7.27E-03	7.14E-03	8.43E-03	9.28E-03	9.28E-03	0.00E+00	7.14E-03	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.92E-09	1.30E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Warren County	37185	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	1.75E-07	1.29E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Warren County	37185	R	Ethylene Oxide	2.77E-05	2.77E-05	3.90E-05	5.40E-05	4.96E-05	6.02E-05	6.26E-05	6.26E-05	0.00E+00	4.96E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Formaldehyde	3.72E-01	3.72E-01	3.80E-01	3.94E-01	4.00E-01	4.20E-01	4.41E-01	4.41E-01	2.32E-02	5.81E-02	5.56E-02	1.32E-02	2.50E-01
North Carolina	Warren County	37185	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.33E-05	9.33E-05	9.34E-05	9.35E-05	9.35E-05	0.00E+00	3.15E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Warren County	37185	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.63E-08	0.00E+00	0.00E+00	1.80E-03
North Carolina	Warren County	37185	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 Carolina	Warren County	37185	R	Hydrazine	4.54E-10	4.54E-10	1.37E-09	2.37E-09	2.21E-09	3.04E-09	3.62E-09	3.62E-09	0.00E+00	2.21E-09	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Lead Compounds	1.38E-04	1.38E-04	1.71E-04	2.11E-04	1.98E-04	2.25E-04	2.32E-04	2.32E-04	6.44E-05	8.29E-05	0.00E+00	5.08E-05	0.00E+00
North Carolina	Warren County	37185	R	Manganese Compounds	2.24E-04	2.24E-04	4.04E-04	6.01E-04	5.58E-04	7.11E-04	8.03E-04	8.03E-04	6.97E-07	5.55E-04	2.15E-06	1.88E-07	1.00E+00
North Carolina	Warren County	37185	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.59E-06	1.60E-06	1.24E-05	1.80E-06	0.00E+00
North Carolina	Warren County	37185	R	Methylene Chloride	1.59E-01	1.59E-01	1.61E-01	1.64E-01	1.66E-01	1.71E-01	1.76E-01	1.76E-01	2.21E-05	1.59E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Warren County	37185	R	Nickel Compounds	2.58E-05	2.58E-05	2.72E-05	3.32E-05	3.49E-05	4.25E-05	4.74E-05	4.74E-05	5.95E-07	2.88E-05	5.19E-06	2.84E-07	0.00E+00
North Carolina	Warren County	37185	R	Perchloroethylene	1.43E-01	1.43E-01	1.44E-01	1.46E-01	1.47E-01	1.50E-01	1.53E-01	1.53E-01	1.76E-07	7.21E-03	0.00E+00	0.00E+00	1.40E-01
North Carolina	Warren County	37185	R	Polychlorinated Biphenyls	4.04E-04	4.04E-04	4.05E-04	4.12E-04	4.16E-04	4.26E-04	4.34E-04	4.34E-04	0.00E+00	3.57E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Warren County	37185	R	Polycyclic Organic Matter	7.26E-03	7.26E-03	8.47E-03	1.06E-02	1.03E-02	1.22E-02	1.30E-02	1.30E-02	2.64E-07	7.82E-03	2.35E-03	1.75E-04	0.00E+00
North Carolina	Warren County	37185	R	7-PAH	5.53E-04	5.53E-04	5.99E-04	6.79E-04	6.62E-04	7.26E-04	7.37E-04	7.37E-04	2.55E-10	6.41E-04	1.76E-05	3.49E-06	0.00E+00
North Carolina	Warren County	37185	R	Propylene Dichloride	2.60E-06	2.60E-06	3.99E-06	6.67E-06	6.60E-06	9.21E-06	1.05E-05	1.05E-05	0.00E+00	6.60E-06	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Quinoline	1.58E-08	1.58E-08	5.21E-08	9.59E-08	9.19E-08	1.32E-07	1.60E-07	1.60E-07	0.00E+00	9.19E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	1,1,2,2-Tetrachloroethane	2.04E-05	2.04E-05	2.93E-05	4.76E-05	4.83E-05	6.73E-05	7.78E-05	7.78E-05	0.00E+00	4.83E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Warren County	37185	R	Trichloroethylene	8.17E-02	8.17E-02	8.18E-02	8.22E-02	8.22E-02	8.27E-02	8.30E-02	8.30E-02	0.00E+00	1.25E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Warren County	37185	R	Vinyl Chloride	5.13E-05	5.13E-05	7.51E-05	1.23E-04	1.24E-04	1.72E-04	1.97E-04	1.97E-04	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Washington County	37187	R	Acetaldehyde	8.75E-02	8.75E-02	8.75E-02	1.59E-01	1.59E-01	3.39E-01	3.39E-01	3.39E-01	1.62E-01	6.51E-03	1.39E-02	1.30E-02	0.00E+00
North Carolina	Washington County	37187	R	Acrolein	8.83E-03	8.83E-03	8.83E-03	9.11E-03	1.18E-02	1.75E-02	1.75E-02	1.75E-02	3.58E-03	3.48E-03	2.88E-03	1.89E-03	0.00E+00
North Carolina	Washington County	37187	R	Acrylonitrile	3.22E-05	3.22E-05	3.22E-05	4.76E-05	4.67E-05	6.03E-05	6.03E-05	6.03E-05	0.00E+00	4.67E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Washington County	37187	R	Arsenic Compounds	1.06E-05	1.06E-05	1.06E-05	1.19E-05	1.19E-05	1.94E-05	3.58E-05	3.58E-05	9.86E-06	4.59E-06	2.77E-06	2.20E-06	0.00E+00
North Carolina	Washington County	37187	R	Benzene	5.60E-01	5.60E-01	5.60E-01	5.87E-01	5.80E-01	5.92E-01	5.92E-01	5.92E-01	1.67E-02	2.41E-02	3.03E-02	2.85E-02	4.80E-01
North Carolina	Washington County	37187	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 Carolina	Washington County	37187	R	Beryllium Compounds	9.98E-07	9.98E-07	9.98E-07	1.19E-06	2.08E-06	4.07E-06	4.07E-06	4.07E-06	1.12E-06	9.10E-07	0.00E+00	5.75E-08	0.00E+00
North Carolina																	

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Washington County	37187	R	1,4-Dichlorobenzene	1.23E-03	1.23E-03	1.23E-03	1.31E-03	2.08E-03	3.71E-03	3.71E-03	3.71E-03	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	1,3-Dichloropropene	2.34E-03	2.34E-03	2.34E-03	2.56E-03	4.10E-03	7.39E-03	7.39E-03	7.39E-03	0.00E+00	4.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	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	6.06E-08	3.85E-08	0.00E+00	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Washington County	37187	R	Ethylene Dichloride	6.15E-02	6.15E-02	6.15E-02	6.21E-02	6.23E-02	6.32E-02	6.32E-02	6.32E-02	1.26E-03	4.78E-06	0.00E+00	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Washington County	37187	R	Ethylene Oxide	2.34E-05	2.34E-05	2.34E-05	3.53E-05	6.37E-05	1.33E-04	1.33E-04	1.33E-04	0.00E+00	6.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Formaldehyde	3.09E-01	3.09E-01	3.09E-01	3.22E-01	3.46E-01	4.08E-01	4.08E-01	4.08E-01	4.58E-02	2.04E-02	1.44E-02	1.58E-02	2.50E-01		
North Carolina	Washington County	37187	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	9.33E-05	0.00E+00	1.69E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Washington County	37187	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	1.44E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Washington County	37187	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 Carolina	Washington County	37187	R	Hydrazine	9.95E-06	9.95E-06	9.95E-06	1.55E-05	3.26E-05	7.23E-05	7.23E-05	7.23E-05	3.26E-05	1.43E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Lead Compounds	6.69E-05	6.69E-05	6.69E-05	9.28E-05	1.76E-04	3.69E-04	3.69E-04	3.69E-04	2.11E-05	1.70E-05	0.00E+00	1.38E-04	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Manganese Compounds	1.05E-04	1.05E-04	1.05E-04	1.12E-04	1.69E-04	2.91E-04	2.91E-04	2.91E-04	9.07E-05	7.76E-05	5.31E-07	2.36E-07	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.53E-03	1.53E-03	8.84E-06	9.54E-07	3.15E-06	1.84E-06	1.50E-03		
North Carolina	Washington County	37187	R	Methylene Chloride	1.56E-01	1.56E-01	1.56E-01	1.57E-01	1.62E-01	1.73E-01	1.73E-01	1.73E-01	3.07E-03	8.84E-03	0.00E+00	0.00E+00	1.50E-01		
North Carolina	Washington County	37187	R	Nickel Compounds	1.76E-04	1.76E-04	1.76E-04	1.81E-04	5.55E-04	1.31E-03	1.31E-03	1.31E-03	4.97E-04	5.66E-05	1.35E-06	7.54E-07	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Perchloroethylene	1.44E-01	1.44E-01	1.44E-01	1.45E-01	1.48E-01	1.57E-01	1.57E-01	1.57E-01	2.85E-03	5.46E-03	0.00E+00	0.00E+00	1.40E-01		
North Carolina	Washington County	37187	R	Polychlorinated Biphenyls	3.89E-04	3.89E-04	3.89E-04	3.89E-04	3.97E-04	4.13E-04	4.13E-04	4.13E-04	0.00E+00	1.67E-05	0.00E+00	0.00E+00	3.80E-04		
North Carolina	Washington County	37187	R	Polycyclic Organic Matter	3.76E-03	3.76E-03	3.76E-03	3.81E-03	6.39E-03	1.16E-02	1.16E-02	1.16E-02	1.50E-03	3.99E-03	6.50E-04	2.49E-04	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	7-PAH	2.45E-04	2.45E-04	2.45E-04	2.48E-04	3.28E-04	4.91E-04	4.91E-04	4.91E-04	1.86E-09	3.16E-04	4.49E-06	7.58E-06	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Propylene Dichloride	1.41E-06	1.41E-06	1.41E-06	1.86E-06	2.20E-06	3.31E-06	3.31E-06	3.31E-06	0.00E+00	2.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Quinoline	3.29E-06	3.29E-06	3.29E-06	1.20E-05	1.53E-05	3.06E-05	3.06E-05	3.06E-05	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	1,1,2,2-Tetrachloroethane	6.92E-06	6.92E-06	6.92E-06	9.49E-06	1.33E-05	2.34E-05	2.34E-05	2.34E-05	0.00E+00	1.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Washington County	37187	R	Trichloroethylene	8.33E-02	8.33E-02	8.33E-02	8.50E-02	9.13E-02	1.06E-01	1.06E-01	1.06E-01	9.38E-03	9.65E-04	0.00E+00	0.00E+00	8.10E-02		
North Carolina	Washington County	37187	R	Vinyl Chloride	1.42E-05	1.42E-05	1.42E-05	1.85E-05	3.05E-05	5.89E-05	5.89E-05	5.89E-05	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Acetaldehyde	8.99E-02	9.14E-02	9.32E-02	1.06E-01	1.28E-01	1.42E-01	2.18E-01	2.68E-01	1.26E-03	1.50E-02	1.03E-01	9.08E-03	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Acrolein	2.00E-02	2.06E-02	2.19E-02	2.49E-02	2.71E-02	2.80E-02	4.03E-02	4.54E-02	1.27E-04	1.02E-02	1.43E-02	2.35E-03	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Acrylonitrile	1.30E-04	1.30E-04	1.33E-04	1.77E-04	3.01E-04	3.15E-04	7.54E-04	1.02E-03	3.00E-05	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Arsenic Compounds	2.28E-05	3.36E-05	4.74E-05	6.42E-05	1.31E-04	1.04E-04	4.18E-04	6.50E-04	3.53E-06	1.07E-04	1.80E-05	2.86E-06	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Benzene	6.64E-01	6.67E-01	6.89E-01	7.47E-01	8.20E-01	8.43E-01	1.17E+00	1.41E+00	3.17E-04	1.00E-01	2.00E-01	3.91E-02	4.80E-01		
North Carolina	Watauga County	37189	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 Carolina	Watauga County	37189	R	Beryllium Compounds	1.32E-06	1.78E-06	2.41E-06	3.06E-06	4.10E-06	4.49E-06	8.78E-06	1.05E-05	4.76E-07	3.59E-06	0.00E+00	3.51E-08	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	1,3-Butadiene	8.14E-03	8.22E-03	9.09E-03	1.23E-02	2.12E-02	2.51E-02	5.57E-02	8.44E-02	5.38E-06	2.21E-03	1.60E-02	2.99E-03	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Cadmium Compounds	4.22E-06	7.88E-06	1.18E-05	1.57E-05	3.96E-05	3.04E-05	1.32E-04	2.07E-04	5.24E-07	3.91E-05	0.00E+00	3.48E-08	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Carbon Disulfide	4.75E-02	4.76E-02	4.77E-02	4.79E-02	4.80E-02	4.80E-02	4.88E-02	4.93E-02	4.29E-06	1.01E-03	0.00E+00	0.00E+00	4.70E-02		
North Carolina	Watauga County	37189	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	1.39E-06	1.45E-04	0.00E+00	0.00E+00	8.80E-01		
North Carolina	Watauga County	37189	R	Chloroform	8.75E-02	8.76E-02	8.81E-02	8.94E-02	9.34E-02	9.14E-02	1.10E-01	1.22E-01	1.63E-06	1.03E-02	0.00E+00	0.00E+00	8.30E-02		
North Carolina	Watauga County	37189	R	Chromium Compounds (includes Hexavalent)	1.22E-04	1.49E-04	1.95E-04	3.36E-04	4.12E-04	3.83E-04	1.00E-03	1.47E-03	3.58E-05	3.64E-04	1.23E-05	4.24E-07	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Chromium VI	7.14E-05	1.06E-04	1.43E-04	2.76E-04	3.01E-04	3.51E-04	6.52E-04	9.20E-04	3.36E-05	2.62E-04	4.91E-06	1.44E-07	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	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 Carolina	Watauga County	37189	R	1,4-Dichlorobenzene	5.24E-03	5.48E-03	5.79E-03	6.83E-03	1.11E-02	9.18E-03	2.83E-02	4.11E-02	2.77E-06	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	1,3-Dichloropropene	1.02E-02	1.06E-02	1.13E-02	1.33E-02	2.21E-02	1.83E-02	5.73E-02	8.36E-02	0.00E+00	2.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	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	1.69E-08	1.47E-07	0.00E+00	0.00E+00	7.70E-03		
North Carolina	Watauga County	37189	R	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	8.89E-06	4.27E-05	0.00E+00	0.00E+00	6.10E-02		
North Carolina	Watauga County	37189	R	Ethylene Oxide	6.79E-05	8.34E-05	1.27E-04	2.03E-04	3.68E-04	3.76E-04	1.09E-03	1.43E-03	5.00E-07	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Formaldehyde	3.67E-01	3.67E-01	3.77E-01	3.91E-01	4.35E-01	4.58E-01	6.06E-01	7.39E-01	7.91E-04	5.96E-02	1.06E-01	1.90E-02	2.50E-01		
North Carolina	Watauga County	37189	R	Hexachlorobenzene	9.33E-05	9.34E-05	9.34E-05	9.36E-05	9.38E-05	9.40E-05	9.46E-05	9.48E-05	1.98E-08	7.60E-07	0.00E+00	0.00E+00	9.30E-05		
North Carolina	Watauga County	37189	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	1.02E-07	0.00E+00	0.00E+00	1.80E-03		
North Carolina	Watauga County	37189	R	Hexamethylene Diisocyanate	1.88E-08	2.59E-08	6.89E-08	1.56E-07	3.12E-07	2.26E-07	1.09E-06	1.54E-06	0.00E+00	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Hydrazine	1.01E-10	1.05E-10	1.13E-10	2.56E-10	4.96E-10	6.38E-10	1.47E-09	2.29E-09	0.00E+00	4.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Lead Compounds	1.11E-04	1.53E-04	1.95E-04	3.31E-04	7.94E-04	6.40E-04	2.71E-03	4.32E-03	5.08E-06	7.79E-04	0.00E+00	9.46E-06	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Manganese Compounds	1.06E-03	2.51E-03	4.47E-03	7.12E-03	1.96E-02	1.42E-02	7.07E-02	1.15E-01	5.43E-05	1.95E-02	3.89E-06	3.13E-07	0.00E+00	0.00E+00	
North Carolina	Watauga County	37189	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.53E-03	1.60E-03	1.64E-03	2.90E-07	1.55E-05	1.99E-05	2.25E-06	1.50E-03		
North Carolina	Watauga County	37189	R	Methylene Chloride	1.71E-01	1.73E-01	1.78E-01	1.89E-01	2.11E-01	2.24E-01	3.79E-01	6.80E-03	5.42E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-01		
North Carolina	Watauga County	37189	R	Nickel Compounds	6.95E-05	7.11E-05	7.53E-05	9.10E-05											

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Wayne County	37191	R	Acrolein	5.33E-02	1.51E-01	1.77E-01	2.66E-01	5.42E-01	4.15E-01	6.59E-01	8.40E-01	5.04E-01	7.31E-03	2.76E-02	3.24E-03	0.00E+00	
North Carolina	Wayne County	37191	R	Acrylonitrile	1.77E-04	2.63E-04	3.26E-04	5.30E-04	6.41E-04	7.70E-04	8.76E-04	1.23E-03	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	Arsenic Compounds	8.76E-04	2.90E-03	4.62E-03	6.33E-03	1.74E-02	9.72E-02	2.31E-02	1.73E-02	2.31E-02	1.74E-02	6.41E-05	2.38E-05	6.55E-06	0.00E+00
North Carolina	Wayne County	37191	R	Benzene	8.55E-01	8.77E-01	1.04E+00	1.42E+00	2.31E+00	2.03E+00	3.20E+00	5.04E+00	1.37E+00	8.59E-02	3.20E-01	5.31E-02	4.80E-01	
North Carolina	Wayne County	37191	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 Carolina	Wayne County	37191	R	Beryllium Compounds	3.33E-05	3.63E-05	5.42E-05	8.18E-05	9.58E-05	1.08E-04	1.35E-04	2.67E-04	9.27E-05	2.91E-06	0.00E+00	1.69E-07	0.00E+00	
North Carolina	Wayne County	37191	R	1,3-Butadiene	9.90E-03	1.51E-02	1.96E-02	4.22E-02	1.80E-01	7.46E-02	8.31E-02	1.36E-01	1.53E-01	8.60E-04	2.02E-02	5.51E-03	0.00E+00	
North Carolina	Wayne County	37191	R	Cadmium Compounds	9.60E-05	3.59E-04	5.26E-04	8.17E-04	1.93E-03	1.28E-03	2.16E-03	2.71E-03	1.92E-03	6.04E-06	0.00E+00	1.68E-07	0.00E+00	
North Carolina	Wayne County	37191	R	Carbon Disulfide	4.82E-02	4.85E-02	4.90E-02	4.98E-02	5.53E-02	6.07E-02	7.01E-02	7.24E-02	2.90E-04	8.05E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Wayne County	37191	R	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	1.84E-05	3.54E-04	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Wayne County	37191	R	Chloroform	8.60E-02	8.71E-02	8.79E-02	9.01E-02	9.15E-02	9.25E-02	9.75E-02	1.00E-01	1.26E-05	8.51E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Wayne County	37191	R	Chromium Compounds (includes Hexavalent)	8.64E-04	3.02E-03	4.98E-03	6.68E-03	1.84E-02	1.03E-02	1.86E-02	2.45E-02	1.83E-02	5.21E-05	1.87E-05	8.04E-07	0.00E+00	
North Carolina	Wayne County	37191	R	Chromium VI	2.84E-04	1.00E-03	1.49E-03	2.27E-03	6.19E-03	3.47E-03	6.32E-03	8.30E-03	6.15E-03	2.39E-05	7.51E-06	2.73E-07	0.00E+00	
North Carolina	Wayne County	37191	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 Carolina	Wayne County	37191	R	1,4-Dichlorobenzene	5.41E-03	7.84E-03	9.09E-03	1.28E-02	1.46E-02	1.95E-02	2.63E-02	2.71E-02	2.03E-06	1.46E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	1,3-Dichloropropene	1.06E-02	1.53E-02	1.74E-02	2.51E-02	2.89E-02	3.91E-02	5.23E-02	5.46E-02	0.00E+00	2.89E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	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	4.41E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Wayne County	37191	R	Ethylene Dibromide	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.12E-02	5.83E-05	1.00E-04	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Wayne County	37191	R	Ethylene Oxide	8.32E-04	2.62E-03	3.32E-03	8.21E-03	2.68E-02	1.37E-02	2.63E-02	4.41E-02	2.62E-02	6.60E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	Formaldehyde	5.96E-01	1.13E+00	1.33E+00	1.96E+00	4.91E+00	2.68E+00	5.13E+00	6.25E+00	4.45E+00	2.74E-02	1.41E-01	4.40E-02	2.50E-01	
North Carolina	Wayne County	37191	R	Hexachlorobenzene	9.35E-05	9.35E-05	9.37E-05	9.41E-05	9.40E-05	9.44E-05	9.44E-05	9.44E-05	2.38E-07	7.89E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Wayne County	37191	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	1.98E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Wayne County	37191	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 Carolina	Wayne County	37191	R	Hydrazine	2.61E-09	3.55E-09	7.07E-09	1.58E-08	4.21E-08	3.99E-08	8.05E-08	1.20E-07	0.00E+00	4.21E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	Lead Compounds	1.70E-03	6.02E-03	8.30E-03	1.39E-02	3.73E-02	2.20E-02	3.81E-02	4.99E-02	3.69E-02	1.22E-04	0.00E+00	2.35E-04	0.00E+00	
North Carolina	Wayne County	37191	R	Manganese Compounds	6.00E-04	6.01E-04	1.10E-03	1.61E-03	1.52E-03	1.90E-03	2.04E-03	2.11E-03	9.71E-04	5.38E-04	5.82E-06	6.77E-07	0.00E+00	
North Carolina	Wayne County	37191	R	Mercury Compounds	1.57E-03	1.61E-03	1.62E-03	1.69E-03	1.82E-03	1.81E-03	2.42E-03	2.49E-03	2.80E-04	7.84E-06	2.44E-05	5.40E-06	1.50E-03	
North Carolina	Wayne County	37191	R	Methylene Chloride	2.02E-01	2.02E-01	2.33E-01	3.12E-01	5.10E-01	4.94E-01	7.00E-01	7.04E-01	2.58E-01	1.01E-01	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Wayne County	37191	R	Nickel Compounds	5.22E-04	9.63E-04	1.34E-03	1.66E-03	2.77E-03	2.17E-03	3.05E-03	3.61E-03	2.38E-03	3.80E-04	1.39E-05	1.17E-06	0.00E+00	
North Carolina	Wayne County	37191	R	Perchloroethylene	1.58E-01	1.59E-01	1.71E-01	1.81E-01	1.81E-01	1.89E-01	1.96E-01	2.16E-01	3.47E-04	4.10E-02	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Wayne County	37191	R	Polychlorinated Biphenyls	4.20E-04	4.24E-04	4.36E-04	4.75E-04	4.76E-04	5.11E-04	5.34E-04	5.44E-04	2.34E-05	7.25E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Wayne County	37191	R	Polycyclic Organic Matter	2.42E-02	4.01E-02	4.57E-02	6.83E-02	1.16E-01	9.41E-02	1.11E-01	1.54E-01	8.95E-02	1.90E-02	6.64E-03	8.90E-04	0.00E+00	
North Carolina	Wayne County	37191	R	7-PAH	6.88E-04	6.92E-04	8.66E-04	9.63E-04	9.97E-04	1.14E-03	1.28E-03	1.30E-03	7.25E-07	9.44E-04	4.34E-05	9.22E-06	0.00E+00	
North Carolina	Wayne County	37191	R	Propylene Dichloride	2.24E-05	2.55E-05	4.48E-05	5.46E-05	5.96E-05	6.61E-05	7.54E-05	1.02E-04	1.48E-05	4.48E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	Quinoline	4.64E-08	4.67E-08	9.63E-08	1.29E-07	1.91E-07	1.83E-07	3.20E-07	4.60E-07	0.00E+00	1.91E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	1,1,2,2-Tetrachloroethane	9.03E-05	1.16E-04	1.59E-04	2.38E-04	2.91E-04	3.24E-04	3.98E-04	4.40E-04	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wayne County	37191	R	Trichloroethylene	8.27E-02	8.48E-02	8.55E-02	8.70E-02	9.47E-02	9.63E-02	1.03E-01	1.29E-01	1.40E-05	1.37E-02	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Wayne County	37191	R	Vinyl Chloride	2.27E-04	3.05E-04	4.10E-04	6.01E-04	7.31E-04	8.18E-04	9.97E-04	1.11E-03	5.83E-06	7.25E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wilkes County	37193	R	Acetaldehyde	7.79E-02	8.60E-02	1.23E-01	1.49E-01	1.52E-01	1.90E-01	1.99E-01	2.43E-01	4.28E-02	1.42E-02	8.45E-02	1.09E-02	0.00E+00	
North Carolina	Wilkes County	37193	R	Acrolein	1.94E-02	2.04E-02	2.62E-02	3.19E-02	3.18E-02	3.67E-02	3.94E-02	4.82E-02	4.46E-03	1.03E-02	1.49E-02	2.14E-03	0.00E+00	
North Carolina	Wilkes County	37193	R	Acrylonitrile	5.81E-05	8.04E-05	8.60E-05	1.75E-04	2.45E-04	3.74E-04	5.39E-04	5.77E-04	1.12E-06	2.44E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wilkes County	37193	R	Arsenic Compounds	2.51E-05	2.92E-05	3.08E-05	3.79E-05	5.16E-05	6.30E-05	8.17E-05	1.38E-04	5.76E-06	2.60E-05	1.63E-05	3.49E-06	0.00E+00	
North Carolina	Wilkes County	37193	R	Benzene	6.27E-01	6.27E-01	6.65E-01	7.47E-01	7.85E-01	8.91E-01	9.22E-01	1.14E+00	3.29E-03	1.10E-01	1.60E-01	3.26E-02	4.80E-01	
North Carolina	Wilkes County	37193	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 Carolina	Wilkes County	37193	R	Beryllium Compounds	2.16E-06	2.29E-06	3.03E-06	4.40E-06	5.29E-06	7.69E-06	9.59E-06	1.10E-05	2.64E-07	5.02E-06	0.00E+00	2.05E-09	0.00E+00	
North Carolina	Wilkes County	37193	R	1,3-Butadiene	5.47E-03	5.67E-03	6.58E-03	1.23E-02	1.48E-02	1.94E-02	2.33E-02	4.20E-02	2.43E-07	2.33E-03	9.38E-03	3.07E-03	0.00E+00	
North Carolina	Wilkes County	37193	R	Cadmium Compounds	3.54E-06	4.09E-06	4.64E-06	5.06E-06	6.76E-06	7.45E-06	1.12E-05	1.66E-05	8.26E-07	5.93E-06	0.00E+00	2.02E-09	0.00E+00	
North Carolina	Wilkes County	37193	R	Carbon Disulfide	4.73E-02	4.73E-02	4.76E-02	4.79E-02	4.81E-02	4.83E-02	4.90E-02	5.08E-02	1.27E-05	1.12E-03	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Wilkes County	37193	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	2.43E-05	1.89E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Wilkes County	37193	R	Chloroform	8.49E-02	8.50E-02	8.53E-02	8.65E-02	8.74E-02	8.87E-02	9.04E-02	9.52E-02	2.53E-05	4.42E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Wilkes County	37193	R	Chromium Compounds (includes Hexavalent)	1.37E-04	2.30E-04	2.46E-04	3.13E-04	3.83E-04	3.96E-04	8.00E-04	8.91E-04	2.00E-04	1.72E-04	1.03E-05	4.65E-07	0.00E+00	
North Carolina	Wilkes County	37193	R	Chromium VI	8.82E-05	1.44E-04	1.66E-04	2.49E-04	2.64E-04	2.96E-04	4.90E-04	5.13E-04	1.41E-04	1.18E-04	4.12E-06	1.58E-07	0.00E+00	
North Carolina	Wilkes County	37193	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 Carolina	Wilkes County	37193	R	1,4-Dichlorobenzene	3.84E-03	4.04E-03	4.60E-03	8.13E-03	9.32E-03	1.31E-02	1.47E-02	2.22E-02	1.72E-08	9.32E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wilkes County	37193	R	1,3-Dichloropropene	7.26E-03	7.82E-03	8.86E-03	1.59E-02	1.84E-02	2.60E-02	2.92E-02	4.44E-02	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Wilkes County	37193	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	6.46E-10	1.31E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Wilkes County	37193	R	E														

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Wilkes County	37193	R	Manganese Compounds	5.75E-04	5.88E-04	6.33E-04	1.17E-03	1.23E-03	1.57E-03	2.12E-03	2.44E-03	3.95E-04	8.34E-04	3.24E-06	3.68E-07	0.00E+00
North Carolina	Wilkes County	37193	R	Mercury Compounds	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.58E-03	4.37E-06	8.17E-06	1.88E-05	2.72E-06	1.50E-03
North Carolina	Wilkes County	37193	R	Methylene Chloride	1.70E-01	1.73E-01	1.81E-01	2.13E-01	2.25E-01	2.38E-01	2.80E-01	4.06E-01	1.05E-02	6.47E-02	0.00E+00	0.00E+00	1.50E-01
North Carolina	Wilkes County	37193	R	Nickel Compounds	5.96E-05	7.62E-05	1.07E-04	1.27E-04	1.73E-04	2.47E-04	2.69E-04	4.15E-04	2.57E-05	1.39E-04	7.84E-06	6.18E-07	0.00E+00
North Carolina	Wilkes County	37193	R	Perchloroethylene	1.46E-01	1.48E-01	1.51E-01	1.57E-01	1.62E-01	1.72E-01	1.74E-01	2.00E-01	4.78E-05	2.20E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Wilkes County	37193	R	Polychlorinated Biphenyls	4.05E-04	4.07E-04	4.18E-04	4.62E-04	4.90E-04	5.74E-04	5.86E-04	6.67E-04	1.08E-09	1.10E-04	0.00E+00	0.00E+00	3.80E-04
North Carolina	Wilkes County	37193	R	Polycyclic Organic Matter	1.16E-02	1.36E-02	1.64E-02	2.14E-02	2.44E-02	3.25E-02	3.36E-02	5.11E-02	1.94E-03	1.84E-02	3.57E-03	5.21E-04	0.00E+00
North Carolina	Wilkes County	37193	R	7-PAH	7.39E-04	7.82E-04	8.46E-04	1.21E-03	1.36E-03	1.91E-03	2.01E-03	2.51E-03	1.31E-06	1.33E-03	2.70E-05	5.68E-06	0.00E+00
North Carolina	Wilkes County	37193	R	Propylene Dichloride	1.84E-05	2.04E-05	2.62E-05	4.11E-05	4.31E-05	5.60E-05	6.49E-05	8.47E-05	2.57E-05	1.74E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilkes County	37193	R	Quinoline	2.10E-08	2.18E-08	2.67E-08	2.98E-08	2.97E-08	3.33E-08	3.51E-08	3.86E-08	0.00E+00	2.97E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilkes County	37193	R	1,1,2,2-Tetrachloroethane	2.45E-05	3.52E-05	3.90E-05	8.20E-05	1.02E-04	1.30E-04	2.01E-04	3.06E-04	3.89E-08	1.02E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilkes County	37193	R	Trichloroethylene	8.24E-02	8.25E-02	8.27E-02	8.38E-02	9.04E-02	9.38E-02	1.03E-01	1.23E-01	1.45E-03	7.93E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Wilkes County	37193	R	Vinyl Chloride	7.67E-05	9.58E-05	1.23E-04	2.45E-04	2.88E-04	3.88E-04	5.12E-04	7.67E-04	1.00E-05	2.78E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Acetaldehyde	4.64E-01	5.00E-01	5.84E-01	6.95E-01	6.76E-01	7.62E-01	8.11E-01	8.89E-01	4.23E-01	1.31E-02	2.10E-01	3.00E-02	0.00E+00
North Carolina	Wilson County	37195	U	Acrolein	7.72E-02	8.62E-02	1.09E-01	1.34E-01	1.36E-01	1.44E-01	2.24E-01	2.75E-01	9.36E-02	7.71E-03	3.08E-02	4.28E-03	0.00E+00
North Carolina	Wilson County	37195	U	Acrylonitrile	1.38E-04	1.76E-04	2.22E-04	3.87E-04	5.15E-04	6.51E-04	1.05E-03	1.84E-03	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Arsenic Compounds	8.49E-04	1.13E-03	1.64E-03	1.87E-03	2.18E-03	2.22E-03	4.62E-03	5.60E-03	2.13E-03	8.50E-06	3.00E-05	7.67E-06	0.00E+00
North Carolina	Wilson County	37195	U	Benzene	8.16E-01	8.74E-01	9.11E-01	1.00E+00	1.13E+00	1.24E+00	1.61E+00	1.69E+00	1.06E-01	7.84E-02	4.03E-01	6.25E-02	4.80E-01
North Carolina	Wilson County	37195	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 Carolina	Wilson County	37195	U	Beryllium Compounds	1.50E-05	4.84E-05	8.20E-05	9.10E-05	8.66E-05	1.00E-04	1.05E-04	1.16E-04	8.16E-05	3.88E-06	0.00E+00	1.15E-06	0.00E+00
North Carolina	Wilson County	37195	U	1,3-Butadiene	1.13E-02	1.21E-02	1.35E-02	2.42E-02	3.84E-02	4.96E-02	9.29E-02	9.54E-02	1.85E-03	1.05E-03	2.91E-02	6.44E-03	0.00E+00
North Carolina	Wilson County	37195	U	Cadmium Compounds	1.11E-04	1.71E-04	2.61E-04	2.95E-04	3.31E-04	3.38E-04	6.49E-04	7.98E-04	3.22E-04	7.76E-06	0.00E+00	1.15E-06	0.00E+00
North Carolina	Wilson County	37195	U	Carbon Disulfide	4.86E-02	4.89E-02	4.96E-02	5.11E-02	5.21E-02	5.27E-02	5.87E-02	6.33E-02	2.17E-03	2.97E-03	0.00E+00	0.00E+00	4.70E-02
North Carolina	Wilson County	37195	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	1.24E-06	3.05E-04	0.00E+00	0.00E+00	8.80E-01
North Carolina	Wilson County	37195	U	Chloroform	8.76E-02	8.77E-02	8.85E-02	9.57E-02	9.71E-02	1.03E-01	1.07E-01	1.14E-01	4.34E-03	9.73E-03	0.00E+00	0.00E+00	8.30E-02
North Carolina	Wilson County	37195	U	Chromium Compounds (includes Hexavalent)	9.23E-04	1.86E-03	3.02E-03	3.41E-03	3.54E-03	3.69E-03	6.00E-03	7.16E-03	3.48E-03	3.29E-05	2.41E-05	1.16E-06	0.00E+00
North Carolina	Wilson County	37195	U	Chromium VI	3.08E-04	1.02E-03	1.83E-03	1.99E-03	1.91E-03	2.05E-03	2.57E-03	2.94E-03	1.89E-03	9.41E-06	9.62E-06	3.95E-07	0.00E+00
North Carolina	Wilson County	37195	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 Carolina	Wilson County	37195	U	1,4-Dichlorobenzene	6.20E-03	7.34E-03	7.76E-03	1.15E-02	1.81E-02	2.23E-02	3.92E-02	4.27E-02	9.93E-06	1.81E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	1,3-Dichloropropene	1.16E-02	1.40E-02	1.46E-02	2.23E-02	3.59E-02	4.42E-02	7.92E-02	8.63E-02	0.00E+00	3.59E-02	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.51E-08	3.61E-07	0.00E+00	0.00E+00	7.70E-03
North Carolina	Wilson County	37195	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	2.62E-05	5.76E-05	0.00E+00	0.00E+00	6.10E-02
North Carolina	Wilson County	37195	U	Ethylene Oxide	2.59E-04	9.01E-04	1.42E-03	2.01E-03	1.94E-03	2.31E-03	2.96E-03	3.47E-03	1.45E-03	4.82E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Formaldehyde	7.79E-01	8.42E-01	1.02E+00	1.22E+00	1.28E+00	1.33E+00	2.23E+00	2.41E+00	7.35E-01	4.08E-02	1.95E-01	5.70E-02	2.50E-01
North Carolina	Wilson County	37195	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.35E-05	9.36E-05	9.38E-05	9.40E-05	9.44E-05	9.47E-05	1.76E-08	7.68E-07	0.00E+00	0.00E+00	9.30E-05
North Carolina	Wilson County	37195	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	1.18E-07	0.00E+00	0.00E+00	1.80E-03
North Carolina	Wilson County	37195	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 Carolina	Wilson County	37195	U	Hydrazine	7.80E-10	1.06E-09	4.22E-09	6.32E-09	2.27E-08	1.90E-08	9.34E-08	1.08E-07	0.00E+00	2.27E-08	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Lead Compounds	1.90E-03	2.66E-03	4.17E-03	4.91E-03	5.50E-03	6.15E-03	1.07E-02	1.32E-02	4.93E-03	3.95E-04	0.00E+00	1.75E-04	0.00E+00
North Carolina	Wilson County	37195	U	Manganese Compounds	3.12E-04	1.22E-03	2.24E-03	2.77E-03	2.60E-03	2.99E-03	3.22E-03	4.59E-03	1.15E-04	2.47E-03	7.68E-06	8.64E-07	0.00E+00
North Carolina	Wilson County	37195	U	Mercury Compounds	1.57E-03	1.58E-03	1.59E-03	1.60E-03	1.62E-03	1.63E-03	1.67E-03	1.77E-03	5.75E-05	2.39E-05	3.06E-05	7.34E-06	1.50E-03
North Carolina	Wilson County	37195	U	Methylene Chloride	1.88E-01	1.88E-01	2.15E-01	2.52E-01	3.30E-01	4.10E-01	6.26E-01	6.99E-01	2.83E-02	1.51E-01	0.00E+00	0.00E+00	1.50E-01
North Carolina	Wilson County	37195	U	Nickel Compounds	2.44E-04	2.60E-04	3.39E-04	4.44E-04	4.57E-04	4.94E-04	8.06E-04	9.39E-04	3.68E-04	6.97E-05	1.79E-05	1.57E-06	0.00E+00
North Carolina	Wilson County	37195	U	Perchloroethylene	1.54E-01	1.57E-01	1.63E-01	1.81E-01	1.93E-01	2.18E-01	2.45E-01	2.61E-01	1.65E-04	5.24E-02	0.00E+00	0.00E+00	1.40E-01
North Carolina	Wilson County	37195	U	Polychlorinated Biphenyls	4.18E-04	4.20E-04	4.30E-04	4.47E-04	4.71E-04	4.94E-04	5.45E-04	5.83E-04	3.58E-06	8.73E-05	0.00E+00	0.00E+00	3.80E-04
North Carolina	Wilson County	37195	U	Polycyclic Organic Matter	2.43E-02	2.50E-02	2.83E-02	3.78E-02	4.14E-02	4.83E-02	6.50E-02	6.75E-02	1.34E-02	1.84E-02	8.39E-03	1.20E-03	0.00E+00
North Carolina	Wilson County	37195	U	7-PAH	5.87E-04	6.06E-04	6.63E-04	7.46E-04	9.07E-04	1.08E-03	1.50E-03	1.58E-03	1.69E-07	8.39E-04	5.50E-05	1.31E-05	0.00E+00
North Carolina	Wilson County	37195	U	Propylene Dichloride	9.12E-06	1.11E-05	1.56E-05	2.32E-05	3.13E-05	3.97E-05	5.85E-05	1.11E-04	1.09E-06	3.02E-05	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Quinoline	3.06E-08	3.71E-08	7.62E-08	1.19E-07	1.48E-07	1.51E-07	3.78E-07	3.96E-07	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	1,1,2,2-Tetrachloroethane	6.27E-05	7.80E-05	1.10E-04	1.90E-04	2.41E-04	2.88E-04	4.34E-04	9.90E-04	0.00E+00	2.41E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Wilson County	37195	U	Trichloroethylene	8.40E-02	8.48E-02	8.66E-02	9.44E-02	1.04E-01	1.22E-01	1.36E-01	1.44E-01	1.21E-05	2.34E-02	0.00E+00	0.00E+00	8.10E-02
North Carolina	Wilson County	37195	U	Vinyl Chloride	1.57E-04	1.95E-04	2.74E-04	4.71E-04	5.99E-04	7.15E-04	1.08E-03	2.44E-03	4.31E-07	5.99E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Yadkin County	37197	U	Acetaldehyde	1.69E-01	1.69E-01	1.98E-01	2.33E-01	2.29E-01	2.37E-01	3.10E-01	3.10E-01	8.11E-02	6.18E-03	1.33E-01	8.78E-03	0.00E+00
North Carolina	Yadkin County	37197	U	Acrolein	3.17E-02	3.17E-02	3.51E-02	4.12E-02	4.35E-02	5.00E-02	6.50E-02	6.50E-02	1.56E-02	6.25E-03	1.96E-02	2.01E-03	0.00E+00
North Carolina	Yadkin County	37197	U	Acrylonitrile	1.33E-04	1.33E-04	1.57E-04	1.78E-04	1.71E-04	1.86E-04	1.99E-04	1.99E-04	3.67E-05	1.34E-04	0.00E+00	0.00E+00	0.00E+00
North Carolina	Yadkin County	37197	U	Arsenic Compounds	4.75E-05	4.75E-05	4.97E-05	5.33E-05	5.59E-05	5.93E-05	7.41E-05	7.41E-05	1.96E-05	1.43E-05	1.94E-05	2.67E-06	0.00E+00
North Carolina	Yadkin County	37197	U	Benzene	6.96E-01	6.96E-01											

**DRAFT FOR REVIEW ONLY**  
**Estimated Annual Average Ambient Concentrations µg/m3 for North Carolina**

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 Carolina	Yadkin County	37197	U	Chromium Compounds (includes Hexavalent)	3.92E-04	3.92E-04	4.08E-04	4.12E-04	4.43E-04	5.18E-04	5.26E-04	5.26E-04	3.48E-04	8.26E-05	1.25E-05	2.56E-07	0.00E+00	
North Carolina	Yadkin County	37197	U	Chromium VI	1.65E-04	1.65E-04	1.71E-04	1.84E-04	2.01E-04	2.35E-04	2.90E-04	2.90E-04	1.61E-04	3.43E-05	5.01E-06	8.70E-08	0.00E+00	
North Carolina	Yadkin County	37197	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 Carolina	Yadkin County	37197	U	1,4-Dichlorobenzene	6.32E-03	6.32E-03	6.56E-03	7.44E-03	7.23E-03	7.58E-03	8.66E-03	8.66E-03	3.50E-06	7.23E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	1,3-Dichloropropene	1.22E-02	1.22E-02	1.26E-02	1.43E-02	1.40E-02	1.48E-02	1.68E-02	1.68E-02	0.00E+00	1.40E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.41E-08	8.30E-08	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Yadkin County	37197	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	1.30E-05	1.48E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Yadkin County	37197	U	Ethylene Oxide	1.11E-04	1.11E-04	1.16E-04	1.33E-04	1.49E-04	1.73E-04	2.28E-04	2.28E-04	2.08E-06	1.47E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	Formaldehyde	3.99E-01	3.99E-01	4.08E-01	4.59E-01	4.62E-01	4.86E-01	5.49E-01	5.49E-01	5.75E-02	2.84E-02	1.09E-01	1.71E-02	2.50E-01	
North Carolina	Yadkin County	37197	U	Hexachlorobenzene	9.34E-05	9.34E-05	9.35E-05	9.35E-05	9.36E-05	9.37E-05	9.37E-05	9.37E-05	0.00E+00	5.58E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Yadkin County	37197	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	2.14E-07	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Yadkin County	37197	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	1.71E-08	1.65E-04	4.19E-04	4.26E-04	4.26E-04	1.65E-04	2.45E-09	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	Hydrazine	4.54E-10	4.54E-10	4.76E-10	6.04E-10	5.88E-10	6.47E-10	7.32E-10	7.32E-10	0.00E+00	5.88E-10	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	Lead Compounds	2.02E-04	2.02E-04	2.10E-04	2.21E-04	2.54E-04	2.99E-04	3.92E-04	3.92E-04	4.53E-05	5.56E-05	0.00E+00	1.54E-04	0.00E+00	
North Carolina	Yadkin County	37197	U	Manganese Compounds	8.26E-04	8.26E-04	8.68E-04	1.01E-03	1.20E-03	1.65E-03	2.04E-03	2.04E-03	1.06E-03	1.32E-04	3.90E-06	2.56E-07	0.00E+00	
North Carolina	Yadkin County	37197	U	Mercury Compounds	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.54E-03	1.55E-03	1.55E-03	6.14E-06	7.69E-06	2.23E-05	2.21E-06	1.50E-03	
North Carolina	Yadkin County	37197	U	Methylene Chloride	3.41E-01	3.41E-01	3.51E-01	3.64E-01	3.74E-01	3.90E-01	4.38E-01	4.38E-01	1.54E-01	6.96E-02	0.00E+00	0.00E+00	1.50E-01	
North Carolina	Yadkin County	37197	U	Nickel Compounds	1.62E-04	1.62E-04	1.67E-04	1.90E-04	2.06E-04	2.55E-04	2.92E-04	2.92E-04	7.01E-05	1.26E-04	9.43E-06	4.01E-07	0.00E+00	
North Carolina	Yadkin County	37197	U	Perchloroethylene	1.49E-01	1.49E-01	1.49E-01	1.49E-01	1.50E-01	1.52E-01	1.53E-01	1.53E-01	1.89E-04	9.73E-03	0.00E+00	0.00E+00	1.40E-01	
North Carolina	Yadkin County	37197	U	Polychlorinated Biphenyls	4.27E-04	4.27E-04	4.32E-04	4.40E-04	4.44E-04	4.61E-04	4.64E-04	4.64E-04	0.00E+00	6.93E-05	0.00E+00	0.00E+00	3.80E-04	
North Carolina	Yadkin County	37197	U	Polycyclic Organic Matter	2.22E-02	2.22E-02	2.46E-02	2.88E-02	3.04E-02	3.48E-02	4.44E-02	4.44E-02	1.16E-02	1.41E-02	4.28E-03	3.35E-04	0.00E+00	
North Carolina	Yadkin County	37197	U	7-PAH	8.39E-04	8.39E-04	8.85E-04	9.44E-04	9.68E-04	1.06E-03	1.07E-03	1.07E-03	2.41E-07	9.33E-04	3.20E-05	3.28E-06	0.00E+00	
North Carolina	Yadkin County	37197	U	Propylene Dichloride	1.92E-05	1.92E-05	2.08E-05	2.12E-05	2.38E-05	2.55E-05	3.65E-05	3.65E-05	1.59E-05	7.85E-06	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	Quinoline	1.64E-08	1.64E-08	1.91E-08	2.12E-08	2.33E-08	3.02E-08	3.43E-08	3.43E-08	0.00E+00	2.33E-08	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	1,1,2,2-Tetrachloroethane	6.08E-05	6.08E-05	6.70E-05	7.86E-05	7.80E-05	8.47E-05	9.69E-05	9.69E-05	2.03E-05	5.77E-05	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yadkin County	37197	U	Trichloroethylene	8.33E-02	8.33E-02	8.35E-02	8.43E-02	8.45E-02	8.52E-02	8.68E-02	8.68E-02	5.67E-05	3.46E-03	0.00E+00	0.00E+00	8.10E-02	
North Carolina	Yadkin County	37197	U	Vinyl Chloride	1.61E-04	1.61E-04	1.74E-04	1.97E-04	2.00E-04	2.21E-04	2.43E-04	2.43E-04	5.49E-05	1.45E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	Acetaldehyde	1.09E-01	1.09E-01	1.21E-01	1.38E-01	1.38E-01	1.55E-01	1.68E-01	1.68E-01	1.53E-03	1.54E-02	1.13E-01	8.57E-03	0.00E+00	
North Carolina	Yancey County	37199	R	Acrolein	2.57E-02	2.57E-02	2.64E-02	2.99E-02	2.98E-02	3.32E-02	3.36E-02	3.36E-02	8.75E-04	1.01E-02	1.64E-02	2.35E-03	0.00E+00	
North Carolina	Yancey County	37199	R	Acrylonitrile	2.16E-04	2.16E-04	2.37E-04	2.78E-04	2.68E-04	3.00E-04	3.02E-04	3.02E-04	0.00E+00	2.68E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	Arsenic Compounds	2.64E-05	2.64E-05	2.71E-05	2.91E-05	2.88E-05	3.05E-05	3.07E-05	3.07E-05	9.13E-06	5.73E-06	1.23E-05	1.66E-06	0.00E+00	
North Carolina	Yancey County	37199	R	Benzene	6.85E-01	6.85E-01	6.85E-01	7.14E-01	7.20E-01	7.54E-01	7.66E-01	7.66E-01	5.74E-04	7.52E-02	1.37E-01	2.64E-02	4.80E-01	
North Carolina	Yancey County	37199	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 Carolina	Yancey County	37199	R	Beryllium Compounds	2.68E-06	2.68E-06	2.78E-06	3.18E-06	3.43E-06	4.09E-06	4.67E-06	4.67E-06	1.48E-06	1.12E-06	0.00E+00	8.29E-07	0.00E+00	
North Carolina	Yancey County	37199	R	1,3-Butadiene	6.54E-03	6.54E-03	7.22E-03	7.90E-03	8.21E-03	1.05E-02	1.05E-02	1.05E-02	8.80E-05	2.31E-03	4.22E-03	1.59E-03	0.00E+00	
North Carolina	Yancey County	37199	R	Cadmium Compounds	4.10E-06	4.10E-06	4.39E-06	4.76E-06	4.76E-06	5.12E-06	5.41E-06	5.41E-06	1.35E-06	2.58E-06	0.00E+00	8.25E-07	0.00E+00	
North Carolina	Yancey County	37199	R	Carbon Disulfide	4.72E-02	4.72E-02	4.72E-02	4.75E-02	4.75E-02	4.78E-02	4.79E-02	4.79E-02	1.02E-06	5.32E-04	0.00E+00	0.00E+00	4.70E-02	
North Carolina	Yancey County	37199	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	2.60E-06	8.36E-05	0.00E+00	0.00E+00	8.80E-01	
North Carolina	Yancey County	37199	R	Chloroform	8.79E-02	8.79E-02	8.83E-02	8.89E-02	8.93E-02	9.03E-02	9.15E-02	9.15E-02	2.30E-06	6.30E-03	0.00E+00	0.00E+00	8.30E-02	
North Carolina	Yancey County	37199	R	Chromium Compounds (includes Hexavalent)	2.69E-04	2.69E-04	2.71E-04	2.72E-04	2.86E-04	3.01E-04	3.30E-04	3.30E-04	7.22E-05	2.05E-04	8.42E-06	4.91E-07	0.00E+00	
North Carolina	Yancey County	37199	R	Chromium VI	1.80E-04	1.80E-04	1.92E-04	2.26E-04	2.36E-04	2.79E-04	3.11E-04	3.11E-04	6.80E-05	1.64E-04	3.35E-06	1.67E-07	0.00E+00	
North Carolina	Yancey County	37199	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 Carolina	Yancey County	37199	R	1,4-Dichlorobenzene	4.56E-03	4.56E-03	4.65E-03	5.78E-03	5.97E-03	7.30E-03	7.77E-03	7.77E-03	7.51E-08	5.97E-03	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	1,3-Dichloropropene	8.50E-03	8.50E-03	8.72E-03	1.07E-02	1.12E-02	1.36E-02	1.48E-02	1.48E-02	0.00E+00	1.12E-02	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	5.78E-10	1.19E-07	0.00E+00	0.00E+00	7.70E-03	
North Carolina	Yancey County	37199	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	1.13E-05	3.81E-05	0.00E+00	0.00E+00	6.10E-02	
North Carolina	Yancey County	37199	R	Ethylene Oxide	6.67E-05	6.67E-05	7.21E-05	8.43E-05	6.98E-04	1.32E-03	1.76E-03	1.76E-03	1.18E-06	6.97E-04	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	Formaldehyde	4.07E-01	4.07E-01	4.12E-01	4.25E-01	4.26E-01	4.40E-01	4.48E-01	4.48E-01	1.57E-02	4.51E-02	9.65E-02	1.87E-02	2.50E-01	
North Carolina	Yancey County	37199	R	Hexachlorobenzene	9.34E-05	9.34E-05	9.34E-05	9.35E-05	9.36E-05	9.37E-05	9.37E-05	9.37E-05	4.33E-08	5.22E-07	0.00E+00	0.00E+00	9.30E-05	
North Carolina	Yancey County	37199	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.09E-08	0.00E+00	0.00E+00	1.80E-03	
North Carolina	Yancey County	37199	R	Hexamethylene Diisocyanate	8.52E-08	8.52E-08	9.68E-08	1.19E-07	1.53E-07	2.10E-07	2.90E-07	2.90E-07	0.00E+00	1.53E-07	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	Hydrazine	1.94E-10	1.94E-10	2.30E-10	9.12E-10	9.77E-10	1.72E-09	1.89E-09	1.89E-09	0.00E+00	9.77E-10	0.00E+00	0.00E+00	0.00E+00	
North Carolina	Yancey County	37199	R	Lead Compounds	5.57E-05	5.57E-05	6.03E-05	7.30E-05	7.29E-05	8.55E-05	8.98E-05	8.98E-05	1.13E-05	5.22E-05	0.00E+00	9.40E-06	0.00E+00	
North Carolina	Yancey County	37199	R	Manganese Compounds	3.36E-04	3.36E-04	3.53E-04	3.75E-04	4.03E-04	4.52E-04	5.25E-04	5.25E-04	1.08E-04	2.92E-04	2.58E-06	2.62E-07	0.00E+00	
North Carolina	Yancey County	37199	R	Mercury Compounds	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.05E-06	3.44E-06	1.37E-05	2.35E-06	1.50E-03	
North Carolina	Yancey County	37199	R	Methylene Chloride	1.77E-01	1.77E-01	1.78E-01	1.81E-01	1.82E-01	1.87E-01	1.91E-01	1.91E-01	7.61E-03	2.49E-02	0.00E+00	0.00E+00		

DRAFT FOR REVIEW ONLY  
 Estimated Annual Average Ambient Concentrations  $\mu\text{g}/\text{m}^3$  for North Carolina

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 Carolina	Yancey County	37199	R	Trichloroethylene	8.24E-02	8.24E-02	8.25E-02	8.30E-02	8.31E-02	8.36E-02	8.40E-02	8.40E-02	1.57E-05	2.06E-03	0.00E+00	0.00E+00	8.10E-02
North Carolina	Yancey County	37199	R	Vinyl Chloride	1.02E-04	1.02E-04	1.20E-04	1.47E-04	1.46E-04	1.72E-04	1.89E-04	1.89E-04	1.12E-06	1.45E-04	0.00E+00	0.00E+00	0.00E+00