

US EPA ARCHIVE DOCUMENT

This file is intended to help clarify the data/units provided under the 2002 NATA website:
<http://www.epa.gov/ttn/atw/nata2002/tables.html>

2002 National-Scale Air Toxics Assessment: Data Tables

State-Specific Emission by County

- **2002 NATA State Excel Files** (e.g. AL_2002_NATA_County_Emissions.xls) – All emissions are in tons per year; File for each state, national file, Puerto Rico, Virgin Islands and Washington DC.

2002 County-Level Modeled Ambient Concentration, Exposure, and Risk Summaries

- **2002 NATA US Cancer Risks County (Microsoft Excel)** - results are presented as cancer risk for each source category (major, area, on-road mobile, non-road mobile, background), total risk representing the sum of all carcinogens in assessment and individual pollutant contributions to total risk. (e.g. 1.60E-05 represents a risk of 16 in a million; 1.17E-06 represents a risk of 1.17 in a million).
- **2002 NATA US Neurological Risk County (Microsoft Excel)** - results are presented as noncancer hazard index (HI) representing the sum of hazard quotients for substances that affect the same target organ (neurological) Results are presented for each source category (major, area, on-road mobile, non-road mobile, background), total risk representing the sum of all substances that affect the same target organ (neurological) and individual pollutant contributions to total HI. (e.g. 1.63E+00 represents a HI of 1.63; 1.17E+01 represents a HI of 11.7)
- **2002 NATA US Respiratory Risk County (Microsoft Excel)** - results are presented as noncancer hazard index (HI) representing the sum of hazard quotients for substances that affect the same target organ (respiratory) Results are presented for each source category (major, area, on-road mobile, non-road mobile, background), total risk representing the sum of all substances that affect the same target organ (respiratory) and individual pollutant contributions to total HI. (e.g. 1.63E+00 represents a HI of 1.63; 1.17E+01 represents a HI of 11.7)
- **County-level Pollutants** - Microsoft Access Files containing ambient concentration, exposures concentrations and risk for each pollutant using the following format:
 - STATE - State
 - COUNTY - County
 - FIPS - State/county FIPs
 - Population - County Population

Major Conc - Ambient Concentration from Major Sources (ug/m3)
 Area Conc - Ambient Concentration from Area Sources (ug/m3)
 Onroad Conc - Ambient Concentration from On road Sources (ug/m3)
 Nonroad Conc - Ambient Concentration from Off Road Sources (ug/m3)
 Background Conc - Ambient Concentration from Background (ug/m3)
 Total Conc – Total Ambient Concentration (ug/m3)
 Major Exposure Conc - Exposure Concentration from Major Sources (ug/m3)
 Area Exposure Conc - Exposure Concentration from Area Sources (ug/m3)
 Onroad Exposure Conc - Exposure Concentration from On Road Sources (ug/m3)
 Nonroad Exposure Conc - Exposure Concentration from Off Road Sources (ug/m3)
 Background Exposure Conc - Exposure Concentration from background (ug/m3)
 Total Exposure Conc - Total Exposure Concentration (ug/m3)
 Major Risk - Cancer Risk from Major Sources (Multiply by 1,000,000 to get risk per million)
 Area Risk - Cancer Risk from Area Sources (Multiply by 1,000,000 to get risk per million)
 Onroad Risk - Cancer Risk from On Road Sources (Multiply by 1,000,000 to get risk per million)
 Nonroad Risk - Cancer Risk from Off Road Sources (Multiply by 1,000,000 to get risk per million)
 Background Risk - Cancer Risk from Background (Multiply by 1,000,000 to get risk per million)
 Total Risk – Total Cancer Risk (Multiply by 1,000,000 to get risk per million)
 Major RespiratoryHQ– Respiratory Hazard Quotient from Major Sources
 Area RespiratoryHQ– Respiratory Hazard Quotient from Area Sources
 Onroad RespiratoryHQ– Respiratory Hazard Quotient from On Road Sources
 Nonroad RespiratoryHQ – Respiratory Hazard Quotient from Off Road Sources
 Background RespiratoryHQ– Respiratory Hazard Quotient from Background
 Total RespiratoryHQ– Total Respiratory Hazard Quotient
 Major NeurologicalHQ - Neurological Hazard Quotient from Major Sources
 Area NeurologicalHQ - Neurological Hazard Quotient from Area Sources
 Onroad NeurologicalHQ - Neurological Hazard Quotient from On Road Sources
 Nonroad NeurologicalHQ- Neurological Hazard Quotient from Off Road Sources
 Background NeurologicalHQ- Neurological Hazard Quotient from Background
 Total NeurologicalHQ- Total Neurological Hazard Quotient
 Major RespiratoryHQ– Respiratory Hazard Quotient from Major Sources
 Area RespiratoryHQ– Respiratory Hazard Quotient from Area Sources
 Onroad RespiratoryHQ– Respiratory Hazard Quotient from On Road Sources
 Nonroad RespiratoryHQ – Respiratory Hazard Quotient from Off Road Sources
 Background RespiratoryHQ– Respiratory Hazard Quotient from Background
 Total RespiratoryHQ– Total Respiratory Hazard Quotient

- **County-level State Summaries** - Microsoft Access Files containing ambient concentration, exposures concentrations and risk for all pollutants summarized by state. Files are in the following format:

STATE - State
 COUNTY - County
 FIPS - State/county FIPs
 Population - County Population
 HAPCAT – pollutant HAP name
 Major Conc - Ambient Concentration from Major Sources (ug/m3)
 Area Conc - Ambient Concentration from Area Sources (ug/m3)
 Onroad Conc - Ambient Concentration from On road Sources (ug/m3)
 Nonroad Conc - Ambient Concentration from Off Road Sources (ug/m3)

Background Conc - Ambient Concentration from Background (ug/m3)
 Total Conc – Total Ambient Concentration (ug/m3)
 Major Exposure Conc - Exposure Concentration from Major Sources (ug/m3)
 Area Exposure Conc - Exposure Concentration from Area Sources (ug/m3)
 Onroad Exposure Conc - Exposure Concentration from On Road Sources (ug/m3)
 Nonroad Exposure Conc - Exposure Concentration from Off Road Sources (ug/m3)
 Background Exposure Conc - Exposure Concentration from background (ug/m3)
 Total Exposure Conc - Total Exposure Concentration (ug/m3)
 Major Risk - Cancer Risk from Major Sources (Multiply by 1,000,000 to get risk per million)
 Area Risk - Cancer Risk from Area Sources (Multiply by 1,000,000 to get risk per million)
 Onroad Risk - Cancer Risk from On Road Sources (Multiply by 1,000,000 to get risk per million)
 Nonroad Risk - Cancer Risk from Off Road Sources (Multiply by 1,000,000 to get risk per million)
 Background Risk - Cancer Risk from Background (Multiply by 1,000,000 to get risk per million)
 Total Risk – Total Cancer Risk (Multiply by 1,000,000 to get risk per million)
 Major NeurologicalHQ - Neurological Hazard Quotient from Major Sources
 Area NeurologicalHQ - Neurological Hazard Quotient from Area Sources
 Onroad NeurologicalHQ - Neurological Hazard Quotient from On Road Sources
 Nonroad NeurologicalHQ- Neurological Hazard Quotient from Off Road Sources
 Background NeurologicalHQ- Neurological Hazard Quotient from Background
 Total NeurologicalHQ- Total Neurological Hazard Quotient
 RESMAJ– Respiratory Hazard Quotient from Major Sources
 Area RespiratoryHQ– Respiratory Hazard Quotient from Area Sources
 Onroad RespiratoryHQ– Respiratory Hazard Quotient from On Road Sources
 Nonroad RespiratoryHQ – Respiratory Hazard Quotient from Off Road Sources
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 Total RespiratoryHQ– Total Respiratory Hazard Quotient

2002 Tract-Level Modeled Ambient Concentration, Exposure, and Risk Summaries (all files are zipped)

- 2002 NATA US Cancer Risks Tract (Microsoft Access)** - results are presented as cancer risk for each source category (major, area, on-road mobile, non-road mobile, background), total risk representing the sum of all carcinogens in assessment and individual pollutant contributions to total risk. (e.g. 1.60E-05 represents a risk of 16 in a million; 1.17E-06 represents a risk of 1.17 in a million).
- 2002 NATA US Neurological Risk Tract (Microsoft Access)** - results are presented as noncancer hazard index (HI) representing the sum of hazard quotients for substances that affect the same target organ (neurological) Results are presented for each source category (major, area, on-road mobile, non-road mobile, background), total risk representing the sum of all substances that affect the same target organ (neurological) and individual pollutant contributions to total HI. (e.g. 1.63E+00 represents a HI of 1.63; 1.17E+01 represents a HI of 11.7)
- 2002 NATA US Respiratory Risk Tract (Microsoft Access)** - results are presented as noncancer hazard index (HI) representing the sum of hazard quotients for substances that affect the same target organ (respiratory) Results are presented for

each source category (major, area, on-road mobile, non-road mobile, background), total risk representing the sum of all substances that affect the same target organ (respiratory) and individual pollutant contributions to total HI. (e.g. 1.63E+00 represents a HI of 1.63; 1.17E+01 represents a HI of 11.7)

- **Tract-level Pollutants** - Microsoft Access Files containing ambient concentration, exposures concentrations and risk for each pollutant using the following format:

FIPS - State/county FIPs
 TRACT – Tract ID
 Population - County Population
 Major Conc - Ambient Concentration from Major Sources (ug/m3)
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 Nonroad Conc - Ambient Concentration from Off Road Sources (ug/m3)
 Background Conc - Ambient Concentration from Background (ug/m3)
 Total Conc – Total Ambient Concentration (ug/m3)
 Major Exposure Conc - Exposure Concentration from Major Sources (ug/m3)
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 Background Risk - Cancer Risk from Background (Multiply by 1,000,000 to get risk per million)
 Total Risk – Total Cancer Risk (Multiply by 1,000,000 to get risk per million)
 Major Respiratory– Respiratory Hazard Quotient from Major Sources
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