

## Air Toxic Pollutant Trends at National Air Toxics Trend Stations (NATTS)

| Location<br>and<br>Pollutant |                         | Mobile-dominated |              |         |         | PAHs         |               | Chlorinated and other VOCs         |                                 |                      |            |                     |                     | Metals            |                    |                |                 |                   |                 |                  |              |                   |                |
|------------------------------|-------------------------|------------------|--------------|---------|---------|--------------|---------------|------------------------------------|---------------------------------|----------------------|------------|---------------------|---------------------|-------------------|--------------------|----------------|-----------------|-------------------|-----------------|------------------|--------------|-------------------|----------------|
|                              |                         | Acetaldehyde     | Formaldehyde | Benzene | Toluene | Ethylbenzene | 1,3-Butadiene | Benzo(a)pyrene (total tsp & vapor) | Naphthalene (total tsp & vapor) | Carbon tetrachloride | Chloroform | Ethylene dichloride | Tetrachloroethylene | Trichloroethylene | Methylene chloride | Vinyl chloride | Arsenic Pm10 Lc | Beryllium Pm10 Lc | Cadmium Pm10 Lc | Chromium VI (Lc) | Lead Pm10 Lc | Manganese Pm10 Lc | Nickel Pm10 Lc |
| Urban                        | Phoenix, AZ             | -                | -            | ▼       | ▼       | ▼            | ▼             | -                                  | ▼                               | -                    | ▼          | -                   | ▼                   | ▼                 | ▲                  | N/A            | -               | ■                 | ■               | ■                | ▼            | —                 | ■              |
|                              | Los Angeles, CA         | -                | ▼            | ▼       | ▼       | ▼            | ▼             | -                                  | ▼                               | ■                    | ■          | ▲                   | ▼                   | ▼                 | ■                  | N/A            | ▼               | ■                 | ■               | ▼                | ▼            | ■                 | ▼              |
|                              | Grand Junction, CO-17   | N/A              | N/A          | N/A     | N/A     | N/A          | N/A           | N/A                                | N/A                             | N/A                  | N/A        | N/A                 | N/A                 | N/A               | N/A                | N/A            | ▼               | ■                 | ■               | ■                | ▼            | ■                 | ■              |
|                              | Grand Junction, CO-18   | ▼                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ■                   | ▼                 | ■                  | ■              | N/A             | N/A               | N/A             | N/A              | N/A          | N/A               | N/A            |
|                              | Washington, DC          | -                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ▼                   | ▼                 | ■                  | ■              | -               | ■                 | ▼               | ■                | ▼            | ▼                 | ▼              |
|                              | Boston, MA              | ▼                | ▼            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ▼                   | ▼                 | ■                  | ■              | ■               | ■                 | ▼               | ■                | ■            | ▼                 | ▼              |
|                              | St. Louis, MO           | ▼                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ▼                   | ▼                 | ■                  | ■              | ■               | ■                 | ■               | ■                | ▼            | ■                 | ▼              |
|                              | New York City, NY       | -                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ▼                   | ▼                 | ■                  | ■              | ■               | ■                 | ■               | ■                | N/A          | ▼                 | ▼              |
|                              | Rochester, NY           | -                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ▼                   | ▼                 | ■                  | ■              | ■               | ■                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Tulsa, OK               | -                | ▼            | ▼       | ▼       | ▼            | ■             | -                                  | N/A                             | N/A                  | ■          | ■                   | ■                   | ■                 | ■                  | ■              | ■               | N/A               | N/A             | N/A              | N/A          | N/A               | N/A            |
|                              | Portland, OR            | ▼                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ■                   | ■                 | ■                  | ■              | N/A             | N/A               | ▼               | ■                | ■            | ▼                 | ▼              |
|                              | Providence, RI          | ▼                | ▼            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ▼                   | ▼                 | ■                  | ■              | ■               | ■                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Seattle, WA             | -                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ▼                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Rubidoux, CA            | -                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Pinellas Park, FL       | ▼                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | N/A          | ■                 | ■              |
| Suburban                     | Decatur, GA             | ▼                | ▼            | ▼       | ▼       | ▼            | ■             | ■                                  | ▼                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | N/A               | ■               | ■                | ■            | ▲                 | ▼              |
|                              | Northbrook, IL          | ▲                | ▲            | ▼       | ▼       | ■            | ■             | ■                                  | ■                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Dearborn, MI            | -                | -            | ▼       | ▼       | ▼            | ■             | ■                                  | ■                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ▼                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Pittsburgh, PA          | N/A              | N/A          | N/A     | N/A     | N/A          | N/A           | N/A                                | N/A                             | N/A                  | N/A        | N/A                 | N/A                 | N/A               | N/A                | N/A            | N/A             | N/A               | N/A             | N/A              | N/A          | N/A               | N/A            |
|                              | Bountiful, UT           | -                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ▲               | ■                | ■            | ■                 | ■              |
|                              | Richmond, VA            | ▼                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ▲                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | N/A          | ■                 | ■              |
|                              | Plant City, FL          | ▼                | -            | ▼       | ▼       | ▼            | ▼             | ■                                  | ■                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | ■            | ■                 | ■              |
|                              | Hazard/Grayson Lake, KY | -                | -            | ▼       | ■       | ▼            | ■             | ■                                  | ■                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | ■            | ■                 | ■              |
|                              | La Grande, OR           | -                | -            | ■       | ■       | ■            | ■             | ■                                  | ■                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | N/A          | ■                 | ■              |
|                              | Mcbee, SC               | -                | -            | ■       | ■       | ■            | ■             | N/A                                | N/A                             | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | ■            | ■                 | ■              |
| Rural                        | Underhill, VT           | ▼                | ▼            | ▼       | ▼       | ▼            | ▼             | ■                                  | ▼                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ■                 | ■               | ■                | N/A          | ■                 | ■              |
|                              | Mayville/Horicon, WI    | ▼                | ▼            | ■       | ■       | ■            | ■             | N/A                                | ■                               | ■                    | ■          | ■                   | ■                   | ■                 | ■                  | ■              | N/A             | ▲                 | N/A             | N/A              | ▼            | ■                 | ■              |

Trend of Mean

▼ Decreasing

— No Trend

▲ Increasing

N/A = Undetermined data due to less than 5 years with annual means. This would occur if some (or all) years have more than 80% nondetects; other years may have insufficient data to compute an annual mean.

Trend period is 2003 - 2022 for all pollutants except for the following:

Naphthalene and Benzo(a)pyrene: 2008 - 2022

Chromium VI: 2005 - 2012

Beryllium PM10 and Ethylene Dichloride: 2004 - 2022