



## Top 4 Summary: **Select Pollutant, Years, & Area**

### Step Select a Pollutant

1:

Ozone-8 Hour ▼

iADAM

### Step Select a Year

2: Range

2022-2024 ▼

### Step Select a Summary

3: Type<sup>1</sup>

- ☒ Summarize by Site  
☐ Summarize by County  
☐ Summarize by Air Basin  
☐ Summarize by 8-Hour  
Ozone Planning Area

### Step Select a County<sup>2</sup>

4: **OR** an Air Basin<sup>2</sup>

▼

▼

**OR** an 8-Hr Ozone  
Plan Area<sup>2</sup>

▼

**OR** Statewide<sup>2</sup>

▼

### Step Submit Your

5: Selections

Submit...

**Notes** 1. Choose "Summarize by Site" to view air quality statistics for specific locations. Users unfamiliar with air basins or ozone planning areas may wish to select the "Summarize by Site" option.

2. If you choose to summarize by site, you may choose to have iADAM list the monitoring sites that operated within one of California's counties, within an air basin, within an 8-hour ozone planning area, or within the state during the year ranged selected.

Air Basins are usually multi-county regions of the state that have similar meteorological and geographic conditions. Air basins boundaries typically follow county boundaries, but there are several instances within the state where air basin boundaries fall within a county, dividing the county between two or more air basins.

8-Hour Ozone Planning Areas are regions of the state that the U.S. Environmental Protection Agency has defined for the purpose of planning for the attainment of a national 8-hour ozone ambient air

quality standard. These planning areas include many geographical configurations, including multiple counties, single counties, or portions of counties.

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## Top 4 Summary: **Highest 4 Daily 24-Hour PM<sub>2.5</sub> Averages**

### at Berkeley-Aquatic Park



| 2022                              |               | 2023  |               | 2024  |               |
|-----------------------------------|---------------|-------|---------------|-------|---------------|
| Date                              | 24-Hr Average | Date  | 24-Hr Average | Date  | 24-Hr Average |
| National:                         |               |       |               |       |               |
| First High:                       | *             | Feb 2 | 17.2          | Jan 5 | 8.5           |
| Second High:                      | *             | Feb 8 | 13.0          | Jan 4 | 6.2           |
| Third High:                       | *             | Feb 1 | 12.6          | Jan 6 | 4.2           |
| Fourth High:                      | *             | Feb 4 | 11.9          | Jan 7 | 2.5           |
| California:                       |               |       |               |       |               |
| First High:                       | *             | Feb 2 | 17.2          | Jan 5 | 8.5           |
| Second High:                      | *             | Feb 8 | 13.0          | Jan 4 | 6.2           |
| Third High:                       | *             | Feb 1 | 12.6          | Jan 6 | 4.2           |
| Fourth High:                      | *             | Feb 4 | 11.9          | Jan 7 | 2.5           |
| National:                         |               |       |               |       |               |
| '06 Estimated # Days > 24-Hr Std: | *             |       | *             |       | *             |
| '06 Measured # Days > 24-Hr Std:  | 0             |       | 0             |       | 0             |
| 2006 24-Hr Std Design Value:      | *             |       | *             |       | *             |
| 2006 24-Hr Std 98th Percentile:   | *             |       | *             |       | *             |
| 2006 Annual Std Design Value:     | *             |       | *             |       | *             |
| 2006 Annual Average:              | *             |       | *             |       | *             |
| 2012 Annual Std Design Value:     | *             |       | *             |       | *             |
| 2012 Annual Average:              | *             |       | *             |       | *             |
| 2024 Annual Std Design Value:     | *             |       | *             |       | *             |
| 2024 Annual Average:              | *             |       | *             |       | *             |
| California:                       |               |       |               |       |               |
| Annual Std Designation Value:     | *             |       | *             |       | *             |

|                 |   |    |   |
|-----------------|---|----|---|
| Annual Average: | * | *  | * |
| Year Coverage:  | * | 13 | 0 |

#### Notes:

Daily PM2.5 averages and related statistics are available at Berkeley-Aquatic Park between 2016 and 2024.

Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

An exceedance of a standard is not necessarily related to a violation of the standard.

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

\* means there was insufficient data available to determine the value.

## Top 4 Summary: **Highest 4 Daily 24-Hour PM10 Averages**

### at San Francisco-Arkansas Street



|                                  | 2022   |               | 2023   |               | 2024 |               |
|----------------------------------|--------|---------------|--------|---------------|------|---------------|
|                                  | Date   | 24-Hr Average | Date   | 24-Hr Average | Date | 24-Hr Average |
| National:                        |        |               |        |               |      |               |
| First High:                      | Nov 25 | 34.2          | Sep 21 | 43.8          |      | *             |
| Second High:                     | Jan 29 | 28.5          | Dec 14 | 40.4          |      | *             |
| Third High:                      | Dec 19 | 28.2          | Dec 26 | 28.3          |      | *             |
| Fourth High:                     | May 17 | 27.8          | Feb 17 | 24.3          |      | *             |
| California:                      |        |               |        |               |      |               |
| First High:                      | Nov 25 | 36.0          | Sep 21 | 44.9          |      | *             |
| Second High:                     | Jan 29 | 30.0          | Dec 14 | 42.7          |      | *             |
| Third High:                      | Dec 19 | 30.0          | Dec 26 | 29.9          |      | *             |
| Fourth High:                     | May 17 | 29.0          | Feb 17 | 25.6          |      | *             |
| National:                        |        |               |        |               |      |               |
| Estimated # Days > 24-Hr Std:    |        | 0.0           |        | *             |      | *             |
| Measured # Days > 24-Hr Std:     |        | 0             |        | 0             |      | 0             |
| 3-Yr Avg Est # Days > 24-Hr Std: |        | 0.0           |        | *             |      | *             |
| Annual Average:                  |        | 7.7           |        | 7.4           |      | *             |
| 3-Year Average:                  |        | 9             |        | 8             |      | *             |
| California:                      |        |               |        |               |      |               |
| Estimated # Days > 24-Hr Std:    |        | *             |        | *             |      | *             |
| Measured # Days > 24-Hr Std:     |        | 0             |        | 0             |      | 0             |
| Annual Average:                  |        | *             |        | *             |      | *             |
| 3-Year Maximum Annual Average:   |        | 23            |        | 16            |      | *             |
| Year Coverage:                   |        | 8             |        | 7             |      | *             |

#### Notes:

Daily PM10 averages and related statistics are available at San Francisco-Arkansas Street between 1988 and 2023. Some years in this range may not be represented.

All averages expressed in micrograms per cubic meter.

The national annual average PM10 standard was revoked in December 2006 and is no longer in effect.

Statistics related to the revoked standard are shown in *italics* or *italics* .

An exceedance of a standard is not necessarily related to a violation of the standard.

All values listed above represent midnight-to-midnight 24-hour averages and may be related to an exceptional event.

State and national statistics may differ for the following reasons:

State statistics are based on California approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.

State statistics for 1998 and later are based on local conditions (except for sites in the South Coast Air Basin, where State statistics for 2002 and later are based on local conditions). National statistics are based on standard conditions.

State criteria for ensuring that data are sufficiently complete for calculating valid annual averages are more stringent than the national criteria.

Measurements are usually collected every six days. Measured days counts the days that a measurement was greater than the level of the standard; Estimated days mathematically estimates how many days concentrations would have been greater than the level of the standard had each day been monitored.

3-Year statistics represent the listed year and the 2 years before the listed year.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

\* means there was insufficient data available to determine the value.



## Top 4 Summary: **Highest 4 Daily Maximum 8-Hour Ozone Averages**

### at Berkeley-Aquatic Park



| 2022                           |              |       | 2023   |              | 2024 |              |
|--------------------------------|--------------|-------|--------|--------------|------|--------------|
| Date                           | 8-Hr Average |       | Date   | 8-Hr Average | Date | 8-Hr Average |
| National 2015 Std (0.070 ppm): |              |       |        |              |      |              |
| First High:                    | *            |       | Oct 4  | 0.044        |      | *            |
| Second High:                   | *            |       | Oct 31 | 0.042        |      | *            |
| Third High:                    | *            |       | Oct 29 | 0.038        |      | *            |
| Fourth High:                   | *            |       | Mar 25 | 0.037        |      | *            |
| National 2008 Std (0.075 ppm): |              |       |        |              |      |              |
| First High:                    | Dec 31       | 0.011 | Oct 4  | 0.044        |      | *            |
| Second High:                   |              | *     | Oct 31 | 0.042        |      | *            |
| Third High:                    |              | *     | Mar 28 | 0.039        |      | *            |
| Fourth High:                   |              | *     | Oct 29 | 0.038        |      | *            |
| California Std (0.070 ppm):    |              |       |        |              |      |              |
| First High:                    | Dec 31       | 0.011 | Oct 4  | 0.045        |      | *            |
| Second High:                   |              | *     | Oct 31 | 0.042        |      | *            |
| Third High:                    |              | *     | Mar 28 | 0.039        |      | *            |
| Fourth High:                   |              | *     | Mar 27 | 0.038        |      | *            |
| National 2015 Std (0.070 ppm): |              |       |        |              |      |              |
| # Days Above the Standard:     | 0            |       |        | 0            |      | *            |
| Nat'l Standard Design Value:   | *            |       |        | *            |      | *            |
| National Year Coverage:        | 0            |       |        | 55           |      | *            |
| National 2008 Std (0.075 ppm): |              |       |        |              |      |              |
| # Days Above the Standard:     | 0            |       |        | 0            |      | *            |
| Nat'l Standard Design Value:   | *            |       |        | *            |      | *            |
| National Year Coverage:        | 0            |       |        | 56           |      | *            |
| California Std (0.070 ppm):    |              |       |        |              |      |              |
| # Days Above the Standard:     | 0            |       |        | 0            |      | *            |

|                                  |       |       |   |
|----------------------------------|-------|-------|---|
| California Designation Value:    | 0.044 | 0.045 | * |
| Expected Peak Day Concentration: | 0.045 | *     | * |
| California Year Coverage:        | 0     | 54    | * |

#### Notes:

Eight-hour ozone averages and related statistics are available at Berkeley-Aquatic Park between 2016 and 2023. Some years in this range may not be represented.

All averages expressed in parts per million.

An exceedance of a standard is not necessarily related to a violation of the standard.

State and national statistics may differ for the following reasons:

National 8-hour averages are truncated to three decimal places; State 8-hour averages are rounded to three decimal places.

State criteria for ensuring that data are sufficiently complete for calculating 8-hour averages are more stringent than the national criteria.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard exclude those 8-hour averages that have first hours between midnight and 6:00 am, Pacific Standard Time.

Daily maximum 8-hour averages associated with the National 0.070 ppm standard include only those 8-hour averages from days that have sufficient data for the day to be considered valid.

Daily maximum 8-hour averages associated with the National 0.075 ppm and 0.08 ppm standards may come from days that don't have sufficient data for the day to be considered valid, provided the daily maximum 8-hour average itself includes sufficient data to be considered valid.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

\* means there was insufficient data available to determine the value.

## Top 4 Summary: **Highest 4 Daily Maximum Hourly Nitrogen Dioxide Measurements**

### at Berkeley-Aquatic Park



|                                  | 2022   |             | 2023   |             | 2024   |             |
|----------------------------------|--------|-------------|--------|-------------|--------|-------------|
|                                  | Date   | Measurement | Date   | Measurement | Date   | Measurement |
| National:                        |        |             |        |             |        |             |
| First High:                      | Nov 22 | 50.8        | Jan 31 | 46.2        | Feb 8  | 31.9        |
| Second High:                     | Nov 16 | 50.0        | Oct 31 | 43.0        | Feb 24 | 31.8        |
| Third High:                      | Nov 21 | 49.9        | Nov 2  | 42.6        | Feb 28 | 31.3        |
| Fourth High:                     | Nov 17 | 46.7        | Mar 27 | 40.2        | Jan 22 | 30.8        |
| California:                      |        |             |        |             |        |             |
| First High:                      | Nov 16 | 50          | Jan 31 | 46          | Feb 8  | 31          |
| Second High:                     | Nov 22 | 50          | Oct 31 | 43          | Feb 24 | 31          |
| Third High:                      | Nov 21 | 49          | Nov 2  | 42          | Feb 28 | 31          |
| Fourth High:                     | Nov 17 | 46          | Mar 27 | 40          | Jan 22 | 30          |
| National:                        |        |             |        |             |        |             |
| 1-Hour Standard Design Value:    |        | *           |        | *           |        | *           |
| 1-Hour Standard 98th Percentile: |        | 49.9        |        | 39.1        |        | 31.8        |
| # Days Above the Standard:       |        | 0           |        | 0           |        | 0           |
| Annual Standard Design Value:    |        | *           |        | *           |        | *           |
| California:                      |        |             |        |             |        |             |
| 1-Hour Std Designation Value:    |        | 50          |        | 50          |        | 50          |
| Expected Peak Day Concentration: |        | 49          |        | 48          |        | 48          |
| # Days Above the Standard:       |        | 0           |        | 0           |        | 0           |
| Annual Std Designation Value:    |        | 13          |        | *           |        | *           |
| Annual Average:                  |        | *           |        | *           |        | *           |
| Year Coverage:                   |        | 47          |        | 90          |        | 33          |

#### Notes:

Hourly nitrogen dioxide measurements and related statistics are available at Berkeley-Aquatic Park between 2016 and 2024. Some years in this range may not be represented.

All concentrations expressed in parts per billion.

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

\* means there was insufficient data available to determine the value.

## Top 4 Summary: **Highest 4 Daily Maximum Hourly Ozone Measurements**

### at Berkeley-Aquatic Park



|                                                      | 2022 |             | 2023   |             | 2024 |             |
|------------------------------------------------------|------|-------------|--------|-------------|------|-------------|
|                                                      | Date | Measurement | Date   | Measurement | Date | Measurement |
| First High:                                          |      | *           | Oct 31 | 0.054       |      | *           |
| Second High:                                         |      | *           | Oct 4  | 0.050       |      | *           |
| Third High:                                          |      | *           | Oct 5  | 0.048       |      | *           |
| Fourth High:                                         |      | *           | Oct 29 | 0.043       |      | *           |
| California:                                          |      |             |        |             |      |             |
| # Days Above the Standard:                           |      | 0           |        | 0           |      | *           |
| California Designation Value:                        |      | 0.05        |        | 0.05        |      | *           |
| Expected Peak Day Concentration:                     |      | 0.049       |        | *           |      | *           |
| National:                                            |      |             |        |             |      |             |
| # Days Above the Standard:                           |      | 0           |        | 0           |      | *           |
| 3-Year Estimated Expected Number of Exceedance Days: |      | *           |        | *           |      | *           |
| 1-Year Estimated Expected Number of Exceedance Days: |      | *           |        | 0.0         |      | *           |
| Nat'l Standard Design Value:                         |      | 0.051       |        | 0.050       |      | *           |
| Year Coverage:                                       |      | 0           |        | 63          |      | *           |

#### Notes:

Hourly ozone measurements and related statistics are available at Berkeley-Aquatic Park between 2016 and 2023. Some years in this range may not be represented.

All concentrations expressed in parts per million.

The national 1-hour ozone standard was revoked in June 2005. Statistics related to the national 1-hour ozone standard are shown in or .

An exceedance of a standard is not necessarily related to a violation of the standard.

Year Coverage indicates the extent to which available monitoring data represent the time of the year when concentrations are expected to be highest. 0 means that data represent none of the high period; 100 means that data represent the entire high period. A high Year Coverage does not mean that there was sufficient data for annual statistics to be considered valid.

\* means there was insufficient data available to determine the value.