

MARICOPA PM₁₀ 2019 TEOM Data

24 Hour Averages (ug/m³)

| | Approved Data | | | Preliminary Data | | | | | | | | | |
|-------------------------------|---------------|----------|-------|-------------------------------|---------|------|------|-------------------------------|-----------|---------|----------|-------------------------------|--------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 1 | 6 | 24 | 28 | 46 | 24 | 39 | 39 | 17 | 52 | 32 | 65 | 8 | |
| 2 | 11 | 15 | 22 | 39 | 37 | 27 | 41 | 26 | 31 | 30 | 73 | 12 | |
| 3 | 16 | 8 | 19 | 32 | 35 | 35 | 50 | 50 | 42 | 29 | 52 | 13 | |
| 4 | 24 | 9 | 24 | 43 | 36 | 40 | 39 | 14 | 39 | 31 | 60 | 13 | |
| 5 | 19 | 10 | 28 | 26 | 27 | 46 | 41 | 46 | 39 | 32 | 73 | 14 | |
| 6 | 7 | 6 | 28 | 20 | 39 | 51 | 38 | 20 | 29 | 26 | 42 | 15 | |
| 7 | 8 | 16 | 30 | 20 | 26 | 36 | 41 | 43 | 42 | 42 | 45 | 13 | |
| 8 | 23 | 21 | 58 | 38 | 30 | 33 | 40 | 30 | 24 | 36 | 28 | 7 | |
| 9 | 23 | 22 | 31 | 56 | 26 | 32 | 50 | 33 | 22 | 40 | 26 | 7 | |
| 10 | 28 | 16 | 24 | 130 | 26 | 56 | 59 | 37 | 26 | 51 | 31 | 8 | |
| 11 | 19 | 20 | 15 | 21 | 25 | 40 | 89 | 13 | 19 | 31 | 37 | 13 | |
| 12 | 16 | 30 | 4 | 24 | 12 | 52 | 49 | 31 | 31 | 42 | 79 | 15 | |
| 13 | 9 | 40 | 30 | 27 | 18 | 51 | 35 | 34 | 44 | 39 | 48 | 18 | |
| 14 | 20 | 15 | 12 | 24 | 26 | 39 | 41 | 38 | 67 | 45 | 71 | 13 | |
| 15 | 15 | 6 | 21 | 42 | 27 | 39 | 37 | 46 | 13 | 39 | 67 | 18 | |
| 16 | 10 | 8 | 30 | 53 | 66 | 32 | 60 | 53 | 38 | 48 | 50 | 11 | |
| 17 | 18 | 19 | 16 | 8 | 38 | 39 | 40 | 25 | 21 | 40 | 44 | 12 | |
| 18 | 12 | 6 | 24 | 16 | 20 | 37 | 28 | 26 | 28 | 50 | 80 | 31 | |
| 19 | 13 | 7 | 29 | 27 | 32 | 50 | 46 | 42 | 30 | 51 | 60 | 30 | |
| 20 | 15 | 13 | 27 | 19 | 29 | 42 | 41 | 43 | 35 | 38 | 7 | 26 | |
| 21 | 42 | 11 | 14 | 17 | 37 | 46 | 52 | 48 | 34 | 47 | 7 | 22 | |
| 22 | 15 | 5 | 21 | 26 | 35 | 40 | 64 | 61 | 40 | 58 | 7 | 37 | |
| 23 | 23 | 8 | 28 | 31 | 16 | 33 | 23 | 34 | AN | 53 | 11 | 36 | |
| 24 | 28 | 8 | 23 | 29 | 18 | 47 | 22 | 25 | AN | 60 | 14 | 7 | |
| 25 | 31 | 17 | 37 | 35 | 20 | 54 | 23 | 15 | 9 | 45 | 17 | 6 | |
| 26 | 17 | 19 | 48 | 30 | 22 | 45 | 25 | 23 | 8 | 43 | 17 | 7 | |
| 27 | 30 | 21 | 45 | 25 | 22 | 39 | 27 | 27 | 8 | 60 | 25 | 3 | |
| 28 | 31 | 23 | 40 | 28 | 26 | 59 | 27 | 33 | 12 | 63 | 20 | 4 | |
| 29 | 45 | | 32 | 61 | 34 | 43 | 39 | 16 | 21 | AV | 12 | 8 | |
| 30 | 47 | | 25 | 23 | 32 | 30 | 39 | 25 | 22 | 58 | 9 | 11 | |
| 31 | 39 | | 26 | | 30 | | 15 | 45 | | 38 | | 10 | |
| 1st quarter average | 21.4 | | | 2nd quarter average | 34.7 | | | 3rd quarter average | 34.5 | | | 4th quarter average | 32.1 |
| # of valid samples | 90 | | | # of valid samples | 91 | | | # of valid samples | 90 | | | # of valid samples | 91 |
| % of samples collected | 100.00% | | | % of samples collected | 100.00% | | | % of samples collected | 97.83% | | | % of samples collected | 98.91% |
| # of 24 hr exceedances | 0 | | | # of 24 hr exceedances | 0 | | | # of 24 hr exceedances | 0 | | | # of 24 hr exceedances | 0 |

MARICOPA PM₁₀ 2019 TEOM Data Reference Page

Corresponding Color Codings

AQS Codings

| | | |
|---------------------------------|--|------------------|
| 24 hour exceedances | any sample > 155.5 ug/m ³ | |
| PCAQCD Exceptional Event | HIGH WIND EVENTS | |
| | HIGH WIND EVENTS - EPA CONCURRED. | ### ^A |
| Noise exceedences | when the noise on the monitor invalidates the data & data recovery is <75% | AN |
| Status out of range | flow out of range for more than 1 hour | AH |
| | machine malfunction | AN |
| | shelter temperature out of range | AE |
| General maintenance | monitor is down for general maintenance activities or | BA |
| | filter exchanges for more than 1 hour | BA |
| | Building/Site repair | BE |
| Negative data readings | data readings > - 10.4 ug/m ³ or | AN |
| | Operator Error for more than 6 hours | BJ |
| Power failures/Vandalism | power outage for more than 6 hours | AV |
| | Vandalism | AP |
| CAL / VER / AUDIT | monitor is down to perform monthly verification or | AT |
| | annual system calibrations or | AT |
| | QC Audit (ADEQ) for more than 1 hour | AZ |

| | |
|---|------|
| Annual Average (ug/m ³) minus high wind events | 30.7 |
|---|------|

| | |
|---------------------------------|---|
| Total # of 24 hr Exceedances | 0 |
|---------------------------------|---|

| | |
|-----------------|-----|
| Maximum Reading | 130 |
|-----------------|-----|