

# MARICOPA PM<sub>10</sub> 2014 TEOM Data

## 24 Hour Averages (ug/m<sup>3</sup>)

	January	February	March	April	May	June	July	August	September	October	November	December
1	AV	33.6	42.4	57.0	80.8	52.6	42.2	21.8	40.5	34.2	41.9	66.1
2	AV	26.6	9.4	56.3	71.6	59.5	49.9	31.0	43.8	32.6	33.0	105.1
3	39.1	33.8	17.5	62.1	53.2	98.9	115.3	14.4	53.9	37.8	30.1	30.8
4	38.2	29.6	16.6	42.3	47.3	52.6	37.5	19.6	46.5	36.7	48.0	12.5
5	25.3	41.1	26.3	37.5	68.0	64.9	44.4	21.6	21.9	31.2	54.0	19.7
6	30.3	41.0	28.5	27.9	136.9	65.3	50.4	27.9	27.0	58.0	63.8	21.9
7	37.6	32.1	27.6	38.3	61.5	58.7	64.2	37.5	19.3	59.4	64.7	16.6
8	57.0	33.9	17.9	49.2	42.9	63.0	74.8	37.0	10.5	19.3	62.0	24.8
9	50.6	42.4	25.3	53.9	50.2	67.7	22.4	46.2	12.9	15.4	48.0	22.6
10	52.1	43.1	25.8	64.4	47.9	55.6	25.9	59.3	17.1	23.3	55.0	27.0
11	49.5	35.0	28.6	58.1	152.9	47.1	31.1	61.7	27.3	30.3	48.0	35.2
12	33.3	40.3	36.1	46.5	45.4	55.0	74.5	37.5	33.3	22.5	49.0	30.2
13	36.2	66.8	119.2	50.6	56.4	54.9	138.5	14.6	60.2	31.9	48.9	7.6
14	38.9	69.3	37.5	47.6	77.2	64.7	27.5	27.5	16.7	43.1	52.9	12.3
15	42.1	65.1	60.9	43.1	47.2	41.5	48.6	21.0	26.6	52.3	52.7	19.5
16	50.1	42.9	32.9	53.1	61.6	57.8	25.5	29.6	30.1	48.2	60.2	25.6
17	45.6	60.4	36.0	51.2	54.2	54.5	51.7	89.1	9.9	49.4	57.6	11.6
18	50.5	55.8	46.9	49.2	38.7	59.9	35.1	18.7	14.6	40.6	54.6	14.8
19	52.7	56.4	40.9	34.8	56.9	48.9	35.9	31.2	30.6	97.5	77.3	17.7
20	50.3	50.6	50.3	23.8	44.1	57.6	31.3	21.7	32.4	31.0	124.1	20.6
21	62.3	67.3	47.7	40.3	AE	46.6	39.0	58.7	16.3	39.2	82.3	18.7
22	57.2	65.4	41.7	42.8	AE	40.6	48.1	15.7	20.4	43.2	58.7	18.7
23	67.5	55.3	42.6	62.2	52.8	62.5	88.2	19.1	27.1	41.1	55.9	22.9
24	85.1	64.7	50.8	55.1	35.1	58.7	41.7	22.3	36.9	52.8	55.1	21.8
25	51.0	56.7	102.8	54.4	52.4	56.6	170.2	45.8	44.0	51.5	80.9	24.3
26	43.5	51.4	114.6	239.1	45.7	67.5	72.1	20.8	46.9	27.3	76.6	22.2
27	46.5	71.1	66.1	107.8	53.2	54.5	125.9	19.5	47.0	38.4	72.7	20.9
28	40.1	67.8	69.3	37.8	53.7	55.1	27.0	25.7	26.1	56.9	81.0	28.1
29	60.8		85.1	71.1	83.7	54.9	29.9	40.6	30.9	72.7	59.7	25.6
30	61.7		72.2	45.5	53.0	46.8	44.8	39.5	31.3	66.7	61.3	31.7
31	60.9		57.2		64.3		49.0	34.5		74.2		21
<b>1st quarter average</b>			48.8	<b>2nd quarter average</b>		58.6	<b>3rd quarter average</b>		40.0	<b>4th quarter average</b>		43.1
<b># of valid samples</b>			88	<b># of valid samples</b>		89	<b># of valid samples</b>		92	<b># of valid samples</b>		92
<b>% of samples collected</b>			97.78%	<b>% of samples collected</b>		97.80%	<b>% of samples collected</b>		100.00%	<b>% of samples collected</b>		100.00%
<b># of 24 hr exceedances</b>			0	<b># of 24 hr exceedances</b>		1	<b># of 24 hr exceedances</b>		1	<b># of 24 hr exceedances</b>		0

# MARICOPA PM<sub>10</sub> 2014 TEOM Data Reference Page

## Corresponding Color Codings

## AQS Codings

<b>24 hour exceedances</b>	any sample > 154.5 ug/m <sup>3</sup>
----------------------------	--------------------------------------

<b>PCAQCD Exceptional Event</b>	HIGH WIND EVENTS	<b>###<sup>A</sup></b>
	HIGH WIND EVENTS - EPA CONCURRED.	

<b>Noise exceedences</b>	when the noise on the monitor invalidates the data & data recovery is <75%	<b>AN</b>
--------------------------	--	-----------

<b>Status out of range</b>	flow out of range for more than 1 hour	<b>AH</b>
	machine malfunction	<b>AN</b>
	shelter temperature out of range	<b>AE</b>

<b>General maintenance</b>	monitor is down for general maintenance activities or filter exchanges for more than 1 hour	<b>BA</b>
----------------------------	---	-----------

<b>Negative data readings</b>	data readings > - 10.4 ug/m <sup>3</sup> or	<b>AN</b>
	Operator Error for more than 6 hours	<b>BJ</b>

<b>Power failures</b>	power outage for more than 6 hours	<b>AV</b>
-----------------------	------------------------------------	-----------

<b>CAL / VER / AUDIT</b>	monitor is down to perform monthly verification or	<b>AT</b>
	annual system calibrations or	<b>AT</b>
	QC Audit (ADEQ) for more than 1 hour	<b>AZ</b>

<b>Annual Average (ug/m<sup>3</sup>) minus high wind events</b>	47.6
---	------

<b>Total # of 24 hr Exceedances</b>	2
---	---

<b>Maximum Reading</b>	239.1
------------------------	-------