

MARICOPA PM₁₀ 2009 TEOM Data

24 Hour Averages (ug/m³)

	January	February	March	April	May	June	July	August	September	October	November	December
1	31.9	AN	53.2	70.6	73.9	51.3	57.1	40.7	37.7	51.2	113.0	60.7
2	37.3	AN	76.6	49.4	93.6	53.4	49.0	45.3	34.0	65.1	122.1	81.9
3	32.3	69.1	73.4	116.4	41.2	55.3	42.2	50.3	306.2	45.2	119.8	61.8
4	17.3	90.2	60.6	38.6	55.6	82.2	16.8	125.0	33.8	54.5	191.4	38.8
5	17.2	79.7	55.8	29.1	55.9	47.6	26.2	89.7	22.8	58.3	114.7	101.0
6	22.2	46.7	42.6	39.5	57.0	35.3	39.1	71.7	17.4	63.0	133.1	52.0
7	35.0	40.0	30.4	52.9	AE	36.1	38.1	49.0	22.2	58.2	114.1	164.4
8	37.7	7.3	47.5	82.3	AE	46.1	45.7	66.3	40.1	76.1	68.0	34.1
9	38.3	29.5	42.4	42.1	46.0	68.0	AN	66.4	22.5	85.9	65.8	32.7
10	16.7	17.2	31.5	95.3	60.7	34.7	60.4	95.4	28.8	AE	106.5	42.2
11	23.6	21.4	74.8	17.5	57.6	45.8	48.4	89.1	40.9	AE	116.0	63.1
12	53.0	26.6	39.1	17.5	77.8	57.9	125.8	204.9	36.9	AE	109.2	56.9
13	37.4	29.9	38.7	28.2	73.8	43.0	64.0	32.6	38.3	AE	62.1	40.2
14	39.7	24.4	44.5	86.3	70.4	32.2	55.0	24.5	51.5	AE	37.0	27.7
15	48.3	27.8	35.2	170.5	54.4	58.2	83.6	33.7	63.7	73.9	22.1	26.2
16	50.6	34.6	51.5	30.8	51.7	82.3	58.8	28.1	56.5	81.4	37.7	29.5
17	41.3	13.9	81.6	34.5	107.7	55.8	607.2	43.9	60.1	72.0	55.3	44.7
18	26.7	21.0	70.7	44.8	62.2	45.4	454.2	53.1	39.4	51.1	64.2	75.3
19	17.7	20.7	72.6	45.9	99.4	91.1	162.8	46.4	56.2	66.5	56.4	41.7
20	41.0	29.0	AN	45.9	52.4	31.8	268.7	38.3	35.6	89.6	BA	33.3
21	61.7	39.1	AN	57.6	52.7	34.1	82.9	83.4	55.5	44.4	73.0	117.6
22	21.0	40.0	AN	52.5	14.6	61.6	36.5	18.0	33.9	80.5	64.1	141.4
23	22.5	54.7	AN	59.6	22.6	54.9	38.7	16.4	44.2	101.9	72.9	54.3
24	11.8	48.6	44.2	54.6	27.1	50.6	26.9	27.5	44.9	70.2	70.7	23.7
25	14.3	46.7	36.6	61.9	30.7	44.7	47.9	29.4	72.6	48.2	47.1	21.2
26	39.5	42.2	284.8	38.4	36.6	55.9	27.2	34.2	81.3	45.7	43.6	25.0
27	21.1	50.0	40.2	60.0	41.2	33.9	33.7	43.1	93.7	428.3	71.4	25.7
28	38.4	51.8	56.1	56.6	43.2	46.0	48.3	80.0	80.5	90.3	74.2	25.3
29	38.8		47.6	55.9	35.3	57.2	72.0	54.9	84.1	51.2	38.9	36.5
30	AN		49.3	58.1	44.7	54.1	51.1	64.8	90.6	69.4	30.5	36.9
31	AN		44.7		43.8		52.8	118.7		86.4		24.2
1st quarter average			43.4	2nd quarter average		54.2	3rd quarter average		70.5	4th quarter average		70.3
# of valid samples			82	# of valid samples		89	# of valid samples		91	# of valid samples		86
% of samples collected			91.11%	% of samples collected		97.80%	% of samples collected		98.91%	% of samples collected		93.48%
# of 24 hr exceedances			1	# of 24 hr exceedances		1	# of 24 hr exceedances		6	# of 24 hr exceedances		3

MARICOPA PM₁₀ 2009 TEOM Data Reference Page

Corresponding Color Codings

AQS Codings

24 hour exceedances	any sample > 154.5 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 flow out of range	flow out of range for more than 1 hour	AH
	status codes other than 0 for more than 6 hours	AN
	shelter temperature out of limits	AE
General maintenance	monitor is down for general maintenance activities or filter exchanges for more than 1 hour	BA
Negative data readings	data readings > - 10.4 ug/m ³ or	AN
	Operator Error for more than 6 hours	BJ
Power failures	power outage for more than 6 hours	AV
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
Shelter Temp Out	Shelter temp outside limit (20-30C)	AE

Annual Average (ug/m³)	59.6
--	------

Total # of 24 hr Exceedances	11
-------------------------------------	----

Maximum Reading	607.23
------------------------	--------