

# COMBS 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	28.5	31.9	35.9	51.3	88.6	30.7	62.5	25.1	36.0	29.1	32.6	58.5		
2	26.9	25.7	8.1	51.3	47.6	52.3	60.7	16.2	56.7	34.5	34.4	82.9		
3	35.2	45.8	16.2	61.2	47.8	59.8	247.7	11.8	42.2	34.0	32.2	27.6		
4	28.9	36.0	15.0	37.7	40.1	43.8	35.4	20.8	178.8	32.0	29.7	10.6		
5	20.2	33.1	17.9	26.7	65.6	57.5	33.8	29.9	37.7	28.7	23.2	15.0		
6	28.4	36.0	24.0	24.0	77.2	55.8	14.3	45.6	71.7	45.2	26.2	20.1		
7	34.3	38.9	29.2	40.2	81.5	49.4	42.4	39.5	12.5	46.0	39.3	16.1		
8	43.7	30.1	14.6	49.6	42.5	55.1	241.4	46.7	8.3	20.3	36.7	27.1		
9	43.4	29.4	14.4	48.4	57.6	65.2	26.5	37.8	13.0	10.6	28.0	22.9		
10	39.7	45.5	24.5	53.2	40.4	62.7	26.7	28.2	14.1	17.9	57.7	24.1		
11	28.6	44.2	29.4	51.5	132.3	66.0	36.7	52.2	18.9	22.2	43.4	25.4		
12	23.4	44.7	51.0	52.8	35.3	51.6	38.1	45.2	23.0	19.8	50.9	26.3		
13	38.6	58.7	114.0	38.3	32.7	41.0	42.6	11.6	19.4	25.2	46.1	6.6		
14	42.4	53.5	42.5	30.0	50.1	42.2	18.8	21.1	16.4	35.4	40.0	8.1		
15	45.4	42.2	46.7	50.3	41.1	47.2	23.0	18.9	28.8	41.8	38.5	13.2		
16	50.9	39.9	19.5	47.6	54.5	46.5	20.5	23.9	21.2	43.0	16.6	22.7		
17	46.9	62.8	38.5	52.1	52.5	40.0	35.0	50.8	15.6	47.8	53.2	9.1		
18	33.9	57.0	48.7	48.6	35.0	46.4	35.0	20.1	17.6	35.8	52.2	11.5		
19	27.8	61.7	52.0	31.4	49.3	45.0	36.7	27.1	29.9	43.0	58.9	12.9		
20	42.8	51.9	51.8	24.6	48.9	47.2	27.0	21.0	43.2	28.2	56.1	12.5		
21	59.6	60.0	55.5	41.5	54.4	34.9	32.1	49.1	22.5	36.1	64.4	12.3		
22	68.8	44.3	37.0	49.0	46.5	28.8	48.1	29.2	31.0	34.8	59.9	12.6		
23	60.6	39.6	37.2	58.6	37.5	48.8	39.7	22.8	37.3	41.0	36.6	9.2		
24	90.0	58.7	50.8	67.4	42.0	50.2	39.9	34.8	37.6	38.3	54.7	14.5		
25	45.7	81.6	82.5	67.8	35.8	53.1	192.7	58.8	45.6	36.5	43.0	16.2		
26	37.4	73.1	70.8	88.0	41.0	43.4	191.5	23.7	38.7	26.6	82.2	14.0		
27	48.2	54.1	78.8	79.9	49.5	65.4	61.5	24.7	53.1	41.8	42.9	15.9		
28	44.5	54.6	56.0	29.9	51.2	46.9	23.8	36.9	19.7	52.6	56.0	15.8		
29	53.7		49.0	23.6	74.5	52.4	29.9	43.0	28.0	45.4	43.2	19.6		
30	63.9		52.7	30.8	45.3	53.3	64.8	38.6	27.0	46.0	33.9	22.4		
31	69.1		65.8		33.9		44.0	25.1		71.0		13.2		
<b>1st quarter average</b>	44.6		<b>2nd quarter average</b>			49.7		<b>3rd quarter average</b>		42.4		<b>4th quarter average</b>	33.1	
<b># of valid samples</b>	90		<b># of valid samples</b>			91		<b># of valid samples</b>		92		<b># of valid samples</b>		92
<b>% of samples collected</b>	100.00%		<b>% of samples collected</b>			100.00%		<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>			0		<b># of 24 hr exceedances</b>		5		<b># of 24 hr exceedances</b>		0

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

<b>Annual Average (ug/m<sup>3</sup>) minus high wind events</b>	42.5
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<b>Total # of 24 hr Exceedances</b>	5
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<b>Maximum Reading</b>	247.70
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