

HIDDEN VALLEY PM2.5 2018 BAM 1020 Data

24 Hour Averages (ug/m³)

	Approved Data					Peliminary Data								
	January	February	March	April	May	June	July	August	September	October	November	December		
1	17.1	18.2	4.2	17.5	6.9	14.3	33.0	33.4	18.7	1.7	4.5	5.2		
2	26.4	20.1	7.3	5.8	15.3	20.1	17.6	14.3	17.8	-0.2	AT	3.5		
3	10.2	21.9	5.0	16.8	17.8	13.4	18.4	10.4	11.4	-0.4	AT	7.0		
4	13.7	20.7	0.9	23.5	6.3	27.5	18.8	15.0	12.6	1.5	AT	7.0		
5	17.3	27.5	2.2	26.3	10.0	24.6	50.7	14.6	11.6	2.2	AT	6.5		
6	13.7	16.6	3.0	11.7	15.3	20.3	52.5	10.1	12.1	2.1	7.5	5.9		
7	13.2	6.3	10.3	11.2	31.7	25.8	41.8	19.3	7.0	1.1	9.2	5.5		
8	13.7	10.7	10.9	7.6	19.8	24.5	63.5	42.2	9.4	0.7	5.8	10.6		
9	12.3	16.1	12.5	10.0	28.3	32.2	17.5	29.1	10.2	4.6	3.9	7.7		
10	3.6	20.2	15.9	22.8	30.7	41.7	10.0	21.5	13.7	2.9	6.7	7.2		
11	6.7	15.0	5.4	18.2	49	31.6	4.3	9.6	16.4	5.6	6.8	5.5		
12	16.1	11.6	6.3	20.2	9.9	AH	5.2	14.4	19.7	0.6	6.3	4.5		
13	12.2	6.5	10.8	10.7	13.5	AH	7.1	10.2	23.8	-0.5	18.5	4.1		
14	5.1	7.4	14.0	7.7	9.5	AH	11.5	14.0	18.7	0.6	6.9	5.2		
15	6.5	2.3	9.3	18.2	14.6	AH	11.5	6.7	23.8	1.9	8.5	7.7		
16	9.1	6.5	9.9	15.0	24.2	4.3	7.3	2.1	15.9	1.6	11.2	5.7		
17	11.5	10.5	5.0	13.5	15.8	4.0	4.3	3.3	20.5	2.6	14.0	8.1		
18	6.9	4.7	2.1	21.7	14.3	4.0	4.7	5.0	16.2	2.7	12.4	5.4		
19	5.2	10.2	15.6	29.1	13.0	10.1	1.9	6.9	6.6	2.5	15.2	6.7		
20	5.2	6.0	20.7	17.0	14.9	13.5	9.1	18.4	3.0	3.9	9.2	11.0		
21	1.2	4.8	22.5	12.2	12.2	9.7	5.2	5.4	7.9	4.5	13.2	7.4		
22	4.6	5.0	15.4	10.2	11.2	16.5	5.4	17.6	7.1	3.4	12.2	8.5		
23	3.0	4.7	3.3	33.4	9.6	21.3	11.5	4.7	8.3	4.2	7.2	10.1		
24	6.7	2.9	4.5	30.3	7.2	15.3	13.8	13.3	3.5	4.7	5.7	14.3		
25	9.5	6.4	6.2	14.5	4.7	24.3	10.2	3.5	11.1	4.0	7.6	5.4		
26	5.6	17.5	9.2	14.9	9.9	16.6	11.7	7.6	8.7	3.5	8.4	1.7		
27	8.1	10.5	10.6	12.8	18.1	13.6	14.8	11.0	12.7	3.8	10.7	3.1		
28	5.6	1.3	5.0	20.0	16.8	16.7	10.2	10.9	13.3	5.0	7.6	3.2		
29	7.7		18.2	15.0	10.3	9.9	8.3	12.1	10.0	4.6	7.6	8.5		
30	10.8		19.3	14.0	11.9	11.7	43.1	11.4	8.5	2.3	2.9	4.2		
31	13.7		27.9		8.5		10.2	7.5		3.7		5.2		
1st quarter average	10.3			2nd quarter average			16.7	3rd quarter average			14.4	4th quarter average		5.8
# of valid samples	90			# of valid samples			87	# of valid samples			92	# of valid samples		88
% of samples collected	100.00%			% of samples collected			95.60%	% of samples collected			100.00%	% of samples collected		95.65%
# of 24 hr exceedances	0			# of 24 hr exceedances			2	# of 24 hr exceedances			6	# of 24 hr exceedances		0

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Corresponding Color Codings

AQS Codings

24 hour exceedances	any sample > 35.0 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 filter exchanges for more than 1 hour	BA
	Building/Site repair	BA
		BE
Negative data readings	Data recovery is <75% due to Negative values	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 annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AT
		AZ

Annual Average (ug/m³) minus high wind events	11.8
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Total # of 24 hr Exceedances	8
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Maximum Reading	63.5
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