

# HIDDEN VALLEY PM2.5 2019 BAM 1020 Data

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

	Approved Data						Preliminary Data														
	January	February	March	April	May	June	July	August	September	October	November	December									
1	8.8	6.8	6.7	10.0	9.6	11.4	16.2	11.4	12.1	5.5	14.5	AN									
2	5.6	4.2	4.0	BA	15.7	9.4	25.3	7.7	5.3	9.0	16.8	AN									
3	5.9	2.2	2.2	7.4	20.4	24.3	13.1	21.2	11.7	8.2	18.4	9.7									
4	6.7	1.1	5.7	11.5	20.7	7.3	AE	7.4	16.8	7.5	32.7	9.1									
5	7.5	1.0	10.5	10.0	15.8	8.5	AE	8.4	19.1	9.4	34.4	7.9									
6	7.2	1.2	5.3	4.5	5.1	14.8	AE	12.8	10.6	12.6	13.7	7.4									
7	6.3	3.4	6.4	9.6	15.2	17.5	AE	7.5	8.1	10.3	13.4	9.3									
8	10.5	8.1	4.0	23.2	17.7	11.2	AE	19.0	8.3	18.5	9.5	6.6									
9	7.5	6.5	6.2	19.3	12.2	18.1	AE	22.3	3.8	17.8	8.4	7.1									
10	8.2	5.7	4.8	15.8	11.2	15.1	AE	10.0	5.6	20.7	8.7	5.2									
11	8.5	4.5	4.9	3.7	14.5	18.5	AE	8.7	6.9	7.9	15.5	5.6									
12	7.0	5.5	1.5	9.6	4.0	31.1	AE	26.7	10.0	9.4	15.1	7.6									
13	8.5	14.2	3.4	20.3	3.7	19.3	34.4	9.9	7.8	22.9	13.5	12.0									
14	7.5	3.9	2.0	10.2	13.3	9.3	18.2	26.2	11.6	17.4	23.7	8.4									
15	2.1	2.4	5.5	10.2	5.4	26.2	29.5	20.5	11.5	10.4	15.1	2.3									
16	5.8	0.7	7.6	8.2	7.4	14.8	16.8	27.3	5.3	18.5	12.4	2.2									
17	9.9	8.6	6.9	3.9	5.2	12.5	21.7	14.8	3.6	11.4	24.5	2.1									
18	4.2	1.8	7.7	5.0	10.1	18.1	BL	26.3	AN	9.4	29.4	4.8									
19	3.6	1.3	10.5	13.0	8.7	11.7	10.2	23.2	7.4	12.6	22.7	3.5									
20	5.0	1.7	5.5	3.0	3.7	17.5	14.3	13.1	5.4	12.5	2.5	AT									
21	1.6	1.7	2.1	6.9	8.6	8.6	12.7	9.2	7.5	17.0	2.8	AT									
22	1.9	1.5	3.0	8.0	8.2	15.0	19.0	14.5	13.5	16.0	3.5	AT									
23	2.4	6.5	5.7	15.3	5.2	19.0	15.2	12.0	3.0	16.3	5.5	AT									
24	6.2	4.6	10.9	14.1	5.4	32.1	8.0	5.9	1.3	10.6	8.4	4.5									
25	5.7	11.2	13.0	23.9	4.2	36.8	7.8	1.8	2.1	15.1	5.3	3.6									
26	5.6	11.4	9.9	14.6	6.8	23.3	6.4	2.9	-1.3	10.0	4.8	6.0									
27	5.5	9.2	18.3	16.6	5.0	17.2	8.5	14.0	1.7	12.1	4.0	0.6									
28	11.3	8.2	19.7	8.2	13.1	25.1	6.3	13.0	2.5	6.5	1.5	1.7									
29	10.0		14.5	19.5	15.9	14.7	18.8	9.4	4.3	14.0	1.3	3.0									
30	15.3		14.2	6.6	31.6	12.1	13.2	7.8	6.0	7.3	2.6	5.8									
31	13.8		9.7		18.5		4.1	8.2		8.2		6.7									
<b>1st quarter average</b>	6.5			<b>2nd quarter average</b>			13.3			<b>3rd quarter average</b>			11.8			<b>4th quarter average</b>			10.6		
<b># of valid samples</b>	90			<b># of valid samples</b>			90			<b># of valid samples</b>			81			<b># of valid samples</b>			86		
<b>% of samples collected</b>	100.00%			<b>% of samples collected</b>			98.90%			<b>% of samples collected</b>			88.04%			<b>% of samples collected</b>			93.48%		
<b># of 24 hr exceedances</b>	0			<b># of 24 hr exceedances</b>			1			<b># of 24 hr exceedances</b>			0			<b># of 24 hr exceedances</b>			0		

## HIDDEN VALLEY PM2.5 2019 BAM 1020 Data Reference Page

### Corresponding Color Codings

### AQS Codings

<b>24 hour exceedances</b>	any sample > 35.0 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
	tape break	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
	Building/Site repair	BE
<b>Negative data readings</b>	Data recovery is <75% due to Negative values	AN
	Operator Error for more than 6 hours	BJ
<b>Power failures/Vandalism</b>	power outage for more than 6 hours	AV
	Vandalism	AP
<b>CAL / VER / AUDIT</b>	monitor is down to perform monthly verification or annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AT
		BL

<b>Annual Average (ug/m<sup>3</sup>) minus high wind events</b>	10.5
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<b>Total # of 24 hr Exceedances</b>	1
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<b>Maximum Reading</b>	36.8
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