

# CASA GRANDE PM2.5 2019 47MM FILTER Data

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

	Approved Data					Peliminary Data							
	January	February	March	April	May	June	July	August	September	October	November	December	
1			5.6					5.4					
2		4.1				8.2	7.1				16.3	8.4	
3	7.2			5.9	8.0				7.4	8.2			
4			3.7					4.8					
5		1.3				6.7	5.9				11.5	4.1	
6	6.2			6.5	4.6				7.6	7.5			
7			7.2					6.9					
8		6.7				5.7	4.7				15.3	12.8	
9	8.5			8.4	6.7				5.7	4.7			
10			6.6					5.9					
11		3.9				6.4	11.1				11.4	10.8	
12	6.4			4.8	3.0				9.5	8.8			
13			3.8					7.4					
14		5.9				5.9	7.4				13.6	8.4	
15	4.3			10.8	4.8				2.9	8.7			
16			5.9					7.4					
17		4.2				8.0	7.3				14.1	2.0	
18	5.9			6.4	5.1				5.4	10.0			
19			6.0					8.5					
20		2.4				4.9	7.9				2.9	8.3	
21	3.9			6.7	4.5				AN	9.8			
22			4.9					8.8					
23		TS				6.8	6.6				5.6	6.2	
24	5.7			5.4	4.8				AN	10.7			
25			11.3					4.4	2.2				
26		8.9				6.7	6.3				4.1	3.7	
27	7.2			5.2	4.9				4.1	13.1			
28			12.3					7.0					
29						12.1	7.1				2.4	4.2	
30	8.7			3.7	5.8				5.0	12.9			
31			9.1					6.8					
<b>1st quarter average</b>			6.1	<b>2nd quarter average</b>		6.2	<b>3rd quarter average</b>		6.5	<b>4th quarter average</b>			8.7
<b># of valid samples</b>			29	<b># of valid samples</b>		30	<b># of valid samples</b>		30	<b># of valid samples</b>			30
<b>% of samples collected</b>			96.67%	<b>% of samples collected</b>		100.00%	<b>% of samples collected</b>		96.77%	<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>		0	<b># of 24 hr exceedances</b>			0

## CASA GRANDE PM2.5 2019 47MM FILTER 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>Status out of range</b>	Flow out of range for more than 1 hour	AH
	Machine malfunction	AN
	Holding time error	TS
	Operator error	BJ
	Filter damage	AJ
	Filter temperature out of range	AE
<b>General maintenance</b>	Monitor is down for general maintenance activities or	BA
	Filter exchanges for more than 1 hour	BA
	Building/Site repair	BE
<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	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>	6.9
---	-----

<b>Total # of 24 hr Exceedances</b>	0
---	---

<b>Maximum Reading</b>	16.3
------------------------	------