

CASA GRANDE PM2.5 2018 47MM FILTER Data

24 Hour Averages (ug/m³)

				Approved Data		Peliminary Data								
	January	February	March	April	May	June	July	August	September	October	November	December		
1		16.2				7.7	4.7				8.1	5.9		
2	17.7			5.1	7.9				10.8	AH				
3			5.0					12.3						
4		11.0				11.1	6.7				7.1	7.6		
5	11.9			11.3	7.4				9.6	AH				
6			5.2					9.6						
7		6.0				8.7	11.6				7.9	4.7		
8	13.1			7.3	8.2				8.2	AH				
9			7.1					26.7						
10		10.5				7.6	8.0				10.1	5.0		
11	8.8			9.7	45.0				6.6	TS				
12			4.7					10.2						
13		6.0				7.6	8.5				6.9	6.6		
14	7.6			5.9	9.1				10.5	2.4				
15			5.9					7.9						
16		13.1				5.9	6.3				13.7	6.6		
17	8.1			16.4	12.4				10.1	3.2				
18			4.2					5.9						
19		10.7				5.6	6.7				20.5	9.8		
20	8.7			15.9	7.1				4.7	4.0				
21			8.8					5.4						
22		3.5				7.2	5.2				10.3	11.8		
23	7.5			11.8	6.5				3.9	5.8				
24			8.7					7.2						
25		6.9				6.9	10.6				8.0	9.8		
26	9.1			9.9	10.0				5.6	6.4				
27			8.1					7.9						
28		3.4				9.4	12.2				11.6	3.9		
29	4.5			9.3	9.1				AH	7.1				
30			7.7					8.4						
31							7.6					5.5		
1st quarter average			8.3	2nd quarter average			10.1	3rd quarter average			8.7	4th quarter average		7.8
# of valid samples			30	# of valid samples			30	# of valid samples			30	# of valid samples		27
% of samples collected			96.77%	% of samples collected			100.00%	% of samples collected			100.00%	% of samples collected		90.00%
# of 24 hr exceedances			0	# of 24 hr exceedances			1	# of 24 hr exceedances			0	# 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
Status out of range	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
General maintenance	Monitor is down for general maintenance activities or	BA
	Filter exchanges for more than 1 hour	BA
	Building/Site repair	BE
Power failures/Vandalism	Power outage for more than 6 hours	AV
	Vandalism	AP
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

Annual Average (ug/m³) minus high wind events	8.7
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Total # of 24 hr Exceedances	1
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Maximum Reading	45.0
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