

CASA GRANDE PM2.5 2016 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	22.3		9.9					7.3						
2						13.4	6.4				7.4	8.3		
3		5.2		5.4	12.9				6.4	4.9				
4	6.3		11.3					3.6						
5						12.0	5.2				8.3	9.4		
6		4.3		13.1	4.9				6.0	8.9				
7	2.6		18.5					5.3						
8						14.6	6.2				5.7	12.0		
9		5.2		4.5	3.9				6.3	6.6				
10	8.6		11.1					5.8						
11						10.4	5.0				4.2	9.8		
12		13.1		5.6	9.6				6.1	7.3				
13	7.1		BE					11.5						
14						5.2	10.2				8.6	10.1		
15		13.1		11.4	6.7				7.4	8.6				
16	14.2		11.2					6.6						
17						9.9	6.7				11.4	15.6		
18		7.2		5.6	5.4				8.2	8.2				
19	9.9		11.7					7.5						
20						9.1	7.1				8.8	8.6		
21		7.0		11.8	6.4				6.3	8.8				
22	8.0		14.2					5.9						
23						11.0	11.8				7.9	3.9		
24		5.5		5.4	7.5				9.2	10.9				
25	7.1		8.3					11.2						
26						12.3	14.6				6.9	8.2		
27		11.6		6.4	10.4				4.9	4.1				
28	8.6		9.3					4.6						
29						7.9	33.7				4.7	12.0		
30				8.1	5.9				3.3	6.6				
31	9.2		7.6					4.9						
1st quarter average			9.6	2nd quarter average		8.6		3rd quarter average		7.9		4th quarter average	8.2	
# of valid samples			30	# of valid samples		30		# of valid samples		31		# of valid samples		30
% of samples collected			96.77%	% of samples collected		100.00%		% of samples collected		103.33%		% of samples collected		100.00%
# of 24 hr exceedances			0	# of 24 hr exceedances		0		# 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
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PCAQCD Exceptional Event	HIGH WIND EVENTS	### ^A
	HIGH WIND EVENTS - EPA CONCURRED.	

Status out of range	flow out of range for more than 1 hour	AH
	machine malfunction	AN
	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	8.6
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Total # of 24 hr Exceedances	0
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Maximum Reading	33.7
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