

APACHE JUNCTION PM2.5 2016 47MM FILTER Data

24 Hour Averages (ug/m³)

	Approved Data			Preliminary Data									
	January	February	March	April	May	June	July	August	September	October	November	December	
1	11.8		6.7					4.3					
2						7.6	5.1				4.2	3.1	
3		1.4		4.2	5.4				4.6	4.4			
4	3.3		7.1					5.4					
5						10.9	6.6				5.0	3.2	
6		1.2		6.0	5.0				4.2	2.0			
7	1.7		14.6					4.6					
8						13.5	4.3				AJ		
9		1.8		3.5	3.8				4.9	3.4		4.7	
10	3.4		5.4					4.5					
11						9.1	4.5				3.1	5.9	
12		3.1		4.2	6.0				5.0	6.2			
13	2.1		6.0					4.4					
14						3.9	6.7				3.9	3.1	
15		4.7		8.1	4.0				4.3	4.8			
16	5.0		5.4					4.3					
17						5.8	3.7				8.0	8.4	
18		4.6		1.8	4.9				5.6	3.9			
19	AJ		6.9					3.6					
20						7.4	AN				3.1	4.2	
21		6.1		5.6	5.1				5.4	7.0			
22	0.9		10.2					4.4					
23						7.9	9.3				3.2	4.6	
24		3.5		5.0	5.9				6.9	6.1			
25	2.8							5.9					
26			6.8			7.1	6.7				4.6	1.8	
27		6.4		5.4	7.4				9.3	3.7			
28	2.5							4.1					
29			10.5			4.5	7.6				1.9	3.9	
30				5.5	5.4				2.5	4.5			
31	5.2		5.4					3.3					
1st quarter average	5.2		2nd quarter average		6.0		3rd quarter average		5.2		4th quarter average		4.3
# of valid samples	30		# of valid samples		30		# of valid samples		30		# of valid samples		29
% of samples collected	96.77%		% of samples collected		100.00%		% of samples collected		100.00%		% of samples collected		96.67%
# 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	5.2
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Total # of 24 hr Exceedances	0
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Maximum Reading	14.6
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