

Appendix A Table 1. Wedron Silica Facility Ambient PM4 Crystalline Silica Data

Date	PM4 Crystalline Silica, $\mu\text{g}/\text{M}^3$			Wind Speed, Avg. Mph ³	Wind Direction 24-Hour Average ³	Rain and Snow, Inches ³
	North Location Primary Sampler ²	North Location Collocated Sampler ¹	South Location Primary Sampler ²			
July 2, 2015	<LOQ		<LOQ	8.9	NE	0.00
July 5, 2015	2.88	3.06	<LOQ	3	SSW	0.00
July 8, 2015	0.44		<LOQ	4.2	NE	0.29
July 11, 2015	1.25		<LOQ	3.1	SE	0.07
July 14, 2015	<LOQ		<LOQ	7.8	NW	0.00
July 17, 2015	No Valid Data ⁴	2.50	0.44	5.2	SSW	0.03
July 20, 2015	3.69 ⁶		No Data ⁵	3.7	WSW	0.00
July 23, 2015	0.50		0.44	1.2	ENE	0.00
July 26, 2015	<LOQ		<LOQ	4.1	NE	0.02
July 29, 2015	0.81	0.81	<LOQ	7.4	WNW	0.05

Note 1. The collocated sampler operates every 12 calendar days.

Note 2. <LOQ indicates values below the minimum level of quantification of $0.31 \mu\text{g}/\text{m}^3$.

Note 3. The meteorological tower was not operational during this time period. Meteorological data were obtained from a Davis Instruments Vantage Vue Wireless Weather Station at the South location while the meteorological station is being repaired.

Note 4. There are no data for the North primary sampler on July 17, 2015. The collocated sampler concentration is being used as primary data.

Note 5. No data is available for the South Location on July 20, 2015 because the sampler was not left in the "Wait Mode" and therefore it did not sample.

Note 6. This value might be biased to higher-than-true due to a probable filter double-sampling mistake.