

Table N-3. Simis Ranch PM₁₀:TSP Ratios, Data Clustered by PM₁₀ Range

Year	PM ₁₀ Range (Fg/m ³)	Number of Paired Samples	PM ₁₀ : TSP Ratio Statistics			
			Low Ratio (%)	High Ratio (%)	Mean Ratio (%)	Ratio of Data Sums (%)
1990	1-5	12	5.0	55.6	29.7	26.1
1991	1-5	22	14.3	500.0	98.1	50.6
1992	1-5	7	71.4	300.0	162.6	133.3
Combined	1-5	41	5.0	500.0	89.1	44.7
1990	6-10	27	33.3	71.4	47.7	45.5
1991	6-10	27	20.9	200.0	59.0	42.3
1992	6-10	9	19.5	350.0	105.0	43.4
Combined	6-10	63	19.5	350.0	60.7	43.7
1990	11-20	25	24.1	73.1	46.0	43.7
1991	11-20	28	29.7	75.0	50.3	47.7
1992	11-20	9	47.1	80.0	64.9	61.7
Combined	11-20	62	24.1	80.0	50.7	47.5
1990	21-49	4	38.5	67.5	52.7	49.8
1991	21-49	4	33.9	53.5	41.2	40.0
1992	21-49	5	43.1	104.2	62.3	56.1
Combined	21-49	13	33.9	104.2	52.8	48.5
1990	50+	4	38.2	72.5	52.2	46.4
1991	50+	4	32.6	57.4	46.3	44.1
1992	50+	2	51.4	55.9	53.6	52.0
Combined	50+	10	32.6	72.5	50.1	48.2
1990	10+	36	24.1	73.1	47.9	45.6
1991	10+	48	23.8	75.0	47.5	44.1
1992	10+	16	43.1	104.2	62.7	53.9
Combined	10+	100	23.8	104.2	60.1	47.4
1990	All data	72	5.0	73.1	44.6	44.4
1991	All data	85	14.3	500.0	64.8	44.9
1992	All data	32	19.5	350.0	96.4	53.9
Combined	All data	189	5.0	100.0	62.5	47.1

Notes: All data are from the Simis Ranch monitoring site, May 199-June 1992.
 Mean Ratio = mean value of ratios for individual pairs of PM₁₀ and TSP values.
 Ratio of Data Sums = sum of PM₁₀ values divided by sum of TSP values; this provides a weighted average PM₁₀:TSP ratio.

Source: California Air Quality Data, Volumes XXII-XXIV.