

**2022 AIR QUALITY  
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**2022**

Source/Receptor Area No. Location	AQS Station ID	Carbon Monoxide <sup>a</sup>			Ozone <sup>b</sup>										Nitrogen Dioxide <sup>c</sup>				Sulfur Dioxide <sup>d</sup>			
		No. Days of Data	Max 1-Hour Conc., ppm	Max 8-Hour Conc., ppm	No. Days of Data	Max 1-Hour Conc., ppm	Max 8-Hour Conc., ppm	Fourth High 8-Hour Conc., ppm	Number of Days Standard Exceeded						No. Days of Data	Max 1-Hour Conc., ppb	98th Percentile 1-Hour Conc., ppb	Annual Average (AAM) Conc., ppb	No. Days of Data	Max 1-Hour Conc., ppb	99th Percentile 1-Hour Conc., ppb	
									Federal > 0.12 ppm	Current Federal > 0.070 ppm	2008 Federal > 0.075 ppm	1997 Federal > 0.08 ppm	Current State > 0.09 ppm	Current State > 0.070 ppm								
<b>LOS ANGELES COUNTY</b>																						
1	Central LA	060371103	365	1.7	1.5	362	0.138	0.090	0.073	1	6	2	1	1	6	364	75.1	56.9	18.5	361	6.5	2.3
2	Northwest Coastal LA County	060370113				335	0.081	0.070	0.058	0	0	0	0	0	0	364	51.4	44.5	11.4			
4	South Coastal LA County 1*	060374002																				
4	South Coastal LA County 2*	060374004																				
4	South Coastal LA County 3	060374006																				
4	South Coastal LA County 4	060374009				359	0.108	0.077	0.058	0	1	1	0	1	1	363	58.1	47.5	12.8	357	6.1	4.4
4	I-710 Near Road <sup>##</sup>	060374008														365	95.0	76.0	25.1			
6	West San Fernando Valley	060371201	364	2.2	1.8	358	0.110	0.096	0.078	0	23	11	2	7	24	364	54.7	42.1	10.2			
7	East San Fernando Valley	060374010				360	0.106	0.091	0.082	0	13	9	1	6	15	363	54.2	47.2	12.9			
8	West San Gabriel Valley	060372005	364	1.6	1.3	361	0.143	0.102	0.081	1	22	11	2	12	23	364	65.9	50.2	13.3			
9	East San Gabriel Valley 1*	060370002	260	1.3	0.9	257	0.111	0.080	0.075	0	11	3	0	6	11	260	47.9	44.3	13.0			
9	East San Gabriel Valley 2	060370016	361	0.9	0.6	359	0.143	0.101	0.094	1	60	40	17	46	61	365	54.2	35.9	7.9			
10	Pomona/Walnut Valley	060371701	363	1.6	1.1	348	0.131	0.096	0.088	1	46	26	12	28	49	361	58.4	50.1	17.0			
11	South San Gabriel Valley	060371602	356	1.6	1.5	349	0.123	0.091	0.070	0	2	2	1	3	3	362	64.5	53.7	17.0			
12	South Central LA County	060371302	359	3.4	3.0	358	0.111	0.085	0.064	0	1	1	1	1	1	365	64.9	55.0	14.4			
13	Santa Clarita Valley	060376012	364	1.5	0.6	355	0.129	0.114	0.095	1	66	43	18	28	68	364	51.5	33.3	9.1			
<b>ORANGE COUNTY</b>																						
16	North Orange County	060595001	364	2.5	1.4	357	0.106	0.087	0.070	0	3	1	1	1	4	364	57.7	45.1	12.2			
17	Central Orange County	060590007	357	2.4	1.4	358	0.102	0.076	0.060	0	1	1	0	1	1	364	53.0	47.8	11.8			
17	I-5 Near Road <sup>##</sup>	060590008	363	2.6	1.9											358	62.0	52.0	18.9			
19	Saddleback Valley*	060592022	211	1.2	1.0	206	0.110	0.088	0.074	0	5	2	1	1	6							
<b>RIVERSIDE COUNTY</b>																						
23	Metropolitan Riverside County 1	060658001	365	3.3	1.2	351	0.122	0.095	0.092	0	70	43	14	30	72	358	55.9	47.7	13.2	357	6.7	2.9
23	Metropolitan Riverside County 3	060658005	364	1.6	1.2	361	0.120	0.094	0.087	0	57	33	9	19	58	365	47.4	42.2	10.8			
25	Lake Elsinore Area	060659001	362	0.9	0.6	345	0.121	0.091	0.086	0	37	27	5	17	37	364	37.2	32.2	7.1			
26	Temecula Valley	060650016				361	0.087	0.079	0.070	0	3	2	0	0	4							
29	Banning/San Geronio Pass	060650012				362	0.116	0.100	0.093	0	56	39	14	30	59	360	51.5	45.6	8.3			
30	Coachella Valley 1 <sup>‡</sup>	060655001	354	1.1	0.5	358	0.106	0.089	0.084	0	39	24	3	7	43	365	37.5	32.5	6.3			
30	Coachella Valley 2 <sup>‡*</sup>	060652002				109	0.072	0.069	0.066	0	0	0	0	0	0							
30	Coachella Valley 3 <sup>‡</sup>	060652005																				
<b>SAN BERNARDINO COUNTY</b>																						
32	Northwest San Bernardino Valley	060711004	353	1.1	0.8	364	0.155	0.100	0.098	1	67	50	25	45	69	363	53.3	45.3	15.3			
33	CA-60 Near Road <sup>##</sup>	060710027														365	84.6	67.4	28.7			
33	I-10 Near Road <sup>##</sup>	060710026	365	1.3	1.0											363	80.2	61.2	25.5			
34	Central San Bernardino Valley 1	060712002	355	1.6	1.0	347	0.144	0.107	0.095	1	68	49	17	44	70	359	68.7	50.5	17.7	350	2.7	2.1
34	Central San Bernardino Valley 2	060719004	352	1.7	1.4	355	0.128	0.105	0.103	3	96	70	35	60	103	362	52.6	44.9	15.7			
35	East San Bernardino Valley	060714003				362	0.135	0.109	0.103	2	104	77	32	63	106							
37	Central San Bernardino Mountains	060710005				364	0.143	0.122	0.105	4	100	83	52	61	102							
38	East San Bernardino Mountains	060718001																				
<b>DISTRICT MAXIMUM*</b>				3.4	3.0		0.155	0.122	0.105	4	104	83	52	63	106		95.0	76.0	28.7		6.7	4.4
<b>SOUTH COAST AIR BASIN<sup>‡</sup></b>				3.4	3.0		0.155	0.122	0.105	7	123	105	65	88	126		95.0	76.0	28.7		6.7	4.4

\*Incomplete data due to site closure or modification in 2022. <sup>‡</sup> Salton Sea Air Basin -- Pollutant not monitored ppm - Parts Per Million in air, by volume ppb - Parts Per Billion in air, by volume AAM - Annual Arithmetic Mean

- a) The federal and state 8-hour CO standards (9 ppm and 9.0 ppm, respectively) along with the federal and state 1-hour CO standards (35 ppm and 20 ppm, respectively) were not exceeded.
- b) The current (2015) O<sub>3</sub> federal standard became effective December 28, 2015.
- c) The NO<sub>2</sub> federal 1-hour standard is 100 ppb and the annual standard is 0.0534 ppm (53.4 ppb). The state 1-hour and annual standards are 0.18 ppm and 0.030 ppm, respectively.
- d) The federal SO<sub>2</sub> 1-hour standard is 75 ppb (0.075 ppm). The state standards are 1-hour average SO<sub>2</sub> > 0.25 ppm (250 ppb) and 24-hour average SO<sub>2</sub> > 0.04 ppm (40 ppb).
- e) District Maximum is the maximum value calculated at any one station in the South Coast AQMD jurisdiction.
- f) Exceedance statistics are calculated with a dataset that aggregates the highest concentration at any station in the South Coast Air Basin for each day and pollutant. Number of daily exceedances are the total number of days that the indicated concentration is exceeded at any station in the South Coast Air Basin. Statistics in concentration units are simply the maximum value at any station in the South Coast Air Basin.
- ## Four near-road sites measuring one or more of the pollutants PM<sub>2.5</sub>, CO and/or NO<sub>2</sub> are operating near the following freeways: I-5, I-10, CA-60 and I-710.



**2022 AIR QUALITY  
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**2022**

Source/Receptor Area No. Location	AQS Station ID	Suspended Particulates PM10 <sup>a</sup>						Fine Particulates PM2.5 <sup>i</sup>					Lead <sup>b</sup>		PM10 Sulfate <sup>l</sup>	
		No. Days of Data	Max 24-Hour Conc., µg/m <sup>3</sup>	No. (%) Samples Exceeding		Annual Average Conc. <sup>h</sup> , µg/m <sup>3</sup>	No. Days of Data	Max 24-Hour Conc., µg/m <sup>3</sup>	98th Percentile 24-Hour Conc., µg/m <sup>3</sup>	No. (%) Samples Exceeding		Annual Average Conc. <sup>j</sup> , µg/m <sup>3</sup>	Max Monthly Average Conc., µg/m <sup>3</sup>	Max 3-Month Rolling Average Conc., µg/m <sup>3</sup>	No. Days of Data	Max 24-Hour Conc., µg/m <sup>3</sup>
				> 150 µg/m <sup>3</sup>	> 50 µg/m <sup>3</sup>					Federal 24-Hour µg/m <sup>3</sup>	State 24-Hour µg/m <sup>3</sup>					
<b>LOS ANGELES COUNTY</b>																
1 Central LA	060371103	360	60	0 (0%)	4 (1%)	28.9	361	33.7	21.9	0 (0%)	10.94	0.008	0.007	61	5.8	
2 Northwest Coastal LA County	060370113															
4 South Coastal LA County 1*	060374002	55	20.0				55	20.0	18	0 (0%)	9.92					
4 South Coastal LA County 2*	060374004	20	48	0 (0%)	0 (0%)	25.5	120	26.1	20	0 (0%)	10.66	0.007	0.006			
4 South Coastal LA County 3	060374006	355	128.0	0 (0%)	33 (9%)	34.4										
4 South Coastal LA County 4	060374009	363	57	0 (0%)	2 (1%)	24.7	22	28.8	28.8	0 (0%)	10.80					
4 I-710 Near Road <sup>##</sup>	060374008						364	39.0	25.5	1 (0%)	11.91					
6 West San Fernando Valley	060371201						121	20.5	19.5	0 (0%)	8.81					
7 East San Fernando Valley	060374010															
8 West San Gabriel Valley	060372005						120	22.1	19	0 (0%)	9.11					
9 East San Gabriel Valley 1*	060370002	43	98	0 (0%)	7 (16%)	37.9	76	18.4	17.8	0 (0%)	9.98			44	8.4	
9 East San Gabriel Valley 2	060370016	358	83	0 (0%)	6 (2%)	24.6										
10 Pomona/Walnut Valley	060371701															
11 South San Gabriel Valley	060371602						115	53.8	25.6	1 (1%)	11.32	0.007	0.007			
12 South Central LA County	060371302						365	52.8	32.6	6 (2%)	12.25	0.010	0.008			
13 Santa Clarita Valley	060376012	61	36	0 (0%)	0 (0%)	18.5										
<b>ORANGE COUNTY</b>																
16 North Orange County	060595001															
17 Central Orange County	060590007	360	90	0 (0%)	7 (2%)	22.3	365	33.1	22.1	0 (0%)	9.87			56	9.6	
17 I-5 Near Road <sup>##</sup>	060590008															
19 Saddleback Valley*	060592022	34	31	0 (0%)	0 (0%)	15.3										
<b>RIVERSIDE COUNTY</b>																
23 Metropolitan Riverside County 1	060658001	357	153	0 (0%)	55 (15%)	37.0	365	38.5	23.2	1 (0%)	10.80	0.007	0.006	119	4.3	
23 Metropolitan Riverside County 3	060658005	360	149	0 (0%)	141 (39%)	45.4	365	32.1	26.2	0 (0%)	11.49					
25 Lake Elsinore Area	060659001	365	91	0 (0%)	1 (0%)	19.8										
26 Temecula Valley	060650016															
29 Banning/San Geronimo Pass	060650012	51	52	0 (0%)	2 (4%)	25.0										
30 Coachella Valley 1 <sup>‡</sup>	060655001	362	432	4 (1%)	16 (4%)	25.3	120	31.2	16.1	0 (0%)	6.32					
30 Coachella Valley 2* <sup>‡</sup>	060652002	110	160	1 (1%)	11 (10%)	36.6	13	21.3	21.3	0 (0%)	13.92			36	2.7	
30 Coachella Valley 3 <sup>‡</sup>	060652005	338	428	10 (3%)	58 (17%)	41.8										
<b>SAN BERNARDINO COUNTY</b>																
32 Northwest San Bernardino Valley	060711004	360	144	0 (0%)	8 (2%)	29.3										
33 CA-60 Near Road <sup>##</sup>	060710027						361	41.8	26.4	1 (0%)	12.20					
33 I-10 Near Road <sup>##</sup>	060710026															
34 Central San Bernardino Valley 1	060712002	60	62	0 (0%)	8 (13%)	31.5	120	38.1	28.1	1 (1%)	10.89			61	4.7	
34 Central San Bernardino Valley 2	060719004	360	177	1 (0%)	65 (18%)	38.0	118	40.1	25.8	2 (2%)	11.26	0.009	0.008			
35 East San Bernardino Valley	060714003	61	50	0 (0%)	0 (0%)	22.0										
37 Central San Bernardino Mountains	060710005	52	49	0 (0%)	0 (0%)	15.6										
38 East San Bernardino Mountains	060718001						30	22.1	22.1	0 (0%)	6.85					
<b>DISTRICT MAXIMUM<sup>m</sup></b>				432	10	141	45.4		53.8	32.6	6	13.92	0.010	0.008	9.6	
<b>SOUTH COAST AIR BASIN<sup>n</sup></b>				177	1	168	45.4		53.8	32.6	9	12.25	0.010	0.008	9.6	

\*Incomplete data due to site closure or modification in 2022.

<sup>‡</sup> Salton Sea Air Basin

µg/m<sup>3</sup> – Micrograms per cubic meter of air

AAM – Annual Arithmetic Mean

-- Pollutant not monitored

- g) PM10 statistics listed above are based on combined Federal Reference Method (FRM) and Federal Equivalent Method (FEM) data. High PM10 (≥ 155 µg/m<sup>3</sup>) data recorded in the Coachella Valley and the Basin (due to high winds) are excluded because they likely meet the exclusion criteria specified in the U.S. EPA Exceptional Event Rule. Exceptional event demonstrations will be submitted to U.S. EPA for events that have regulatory significance.
- h) State annual average (AAM) PM10 standard is > 20 µg/m<sup>3</sup>. Federal annual PM10 standard (AAM > 50 µg/m<sup>3</sup>) was revoked in 2006.
- i) PM2.5 statistics listed above represent FRM data only with the exception of Central Orange County, Metropolitan Riverside County, South Coastal LA County 2, South Central LA County, I-710 Near Road, CA-60 Near Road, and East San Bernardino Mountains, where FEM or SPM PM2.5 measurements are used to supplement missing FRM measurements. PM2.5 concentrations above the 24-hour standard attributed to fireworks are excluded because they likely meet the exclusion criteria specified in the U.S. EPA Exceptional Event Rule. Exceptional event demonstrations will be submitted to U.S. EPA for events that have regulatory significance.
- j) Both Federal and State standards are annual average (AAM) > 12.0 µg/m<sup>3</sup>.
- k) Lead is measured in Total Suspended Particulate (TSP) samples. Federal lead standard is 3-months rolling average > 0.15 µg/m<sup>3</sup>; state standard is monthly average > 1.5 µg/m<sup>3</sup>. Note 3-month averages include data from November and December 2021. Higher lead concentrations were recorded at near-source monitoring sites immediately downwind of stationary lead sources. Maximum monthly and 3-month rolling averages recorded at near-source sites were 0.055 µg/m<sup>3</sup> and 0.037 µg/m<sup>3</sup>, respectively. Lead standards were not exceeded at any site.
- l) State 24-hour sulfate standard is > 25 µg/m<sup>3</sup>. There is no federal standard for sulfate.
- m) District Maximum is the maximum value calculated at any one station in the South Coast AQMD jurisdiction.
- n) Exceedance statistics are calculated with a dataset that aggregates the highest concentration at any station in the South Coast Air Basin for each day and pollutant. Therefore, concentrations used to calculate exceedances are the maximum value observed at any station in the South Coast Air Basin. Number of daily exceedances are the total number of days that the indicated concentration is exceeded at any station in the South Coast Air Basin. Statistics in concentration units are simply the maximum value at any station in the South Coast Air Basin.
- ## Four near-road sites measuring one or more of the pollutants PM2.5, CO and/or NO2 are operating near the following freeways: I-5, I-10, CA-60 and I-710.