

**2001 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

2001

Source/Receptor Area No. Location	Station No.	Carbon Monoxide					Ozone							Nitrogen Dioxide			Sulfur Dioxide			
		No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	No. Days Standard Exceeded ^{a)} Federal State		No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Health Advisory	No. Days Standard Exceeded		No. Days of Data	Max. Conc. in ppm 1-hour ^{b)}	Max. Conc. in ppm 24-hour	Average Compared To Federal Standard ^{c)} in AAM ppm	No. Days of Data	Max. Conc. in ppm 1-hour ^{d)}	Max. Conc. in ppm 24-hour ^{d)}	
LOS ANGELES COUNTY																				
1	087	362	6	4.57	0	0	361	0.116	0.099	0	0	1	8	365	0.14	0.078	0.0378	365	0.03	0.010
2	091	361	4	3.00	0	0	365	0.099	0.080	0	0	0	1	365	0.11	0.080	0.0251	--	--	--
3	094	365	7	5.14	0	0	360	0.098	0.080	0	0	0	1	362	0.11	0.080	0.0250	365	0.04	0.012
4	072	361	6	4.71	0	0	360	0.091	0.070	0	0	0	0	364	0.13	0.070	0.0308	364	0.05	0.012
6	074	365	7	6.00	0	0	365	0.140	0.117	0	2	7	25	359	0.09	0.060	0.0266	--	--	--
7	069	364	6	4.88	0	0	356	0.129	0.104	0	2	5	15	347	0.25	0.091	0.0419	345	0.01	0.004
8	088	355	7	5.00	0	0	361	0.160	0.120	1	1	9	28	365	0.15	0.086	0.0345	--	--	--
9	060	361	3	2.88	0	0	365	0.189	0.131	3	9	18	36	365	0.12	0.094	0.0331	--	--	--
9	591	357	3	2.50	0	0	362	0.190	0.135	5	13	31	61	365	0.12	0.067	0.0274	--	--	--
10	075	365	5	3.43	0	0	363	0.144	0.108	0	1	3	12	365	0.13	0.095	0.0371	--	--	--
11	085	365	6	4.00	0	0	365	0.132	0.100	0	1	2	7	363	0.14	0.076	0.0352	--	--	--
12	084	365	12	7.71	0	0	365	0.077	0.061	0	0	0	0	363	0.15	0.072	0.0369	--	--	--
13	090 ^{l)}	361	6	3.14	0	0	356	0.184	0.129	2	9	27	49	351	0.10	0.048	0.0239	--	--	--
ORANGE COUNTY																				
16	3177	363	11	4.71	0	0	360	0.114	0.090	0	0	2	4	363	0.13	0.069	0.0275	--	--	--
17	3176	274*	8*	4.71*	0*	0*	274*	0.107*	0.071*	0*	0*	0*	2*	274*	0.12*	0.069*	0.0293*	--	--	--
18	3195	363	6	4.57	0	0	365	0.098	0.073	0	0	0	1	365	0.08	0.063	0.0182	343	0.01	0.007
19	3812	365	3	2.38	0	0	365	0.125	0.098	0	1	2	10	--	--	--	--	--	--	--
RIVERSIDE COUNTY																				
22	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	4144	356	5	3.43	0	0	365	0.143	0.120	0	7	34	41	362	0.15	0.064	0.0247	365	0.02	0.011
23	4146	329*	6*	4.50*	0*	0*	--	--	--	--	--	--	--	--	--	--	--	--	--	--
24	4149	--	--	--	--	--	361	0.152	0.136	5	19	58	73	--	--	--	--	--	--	--
25	4158	355	2	2.00	0	0	348	0.151	0.120	1	12	46	61	352	0.09	0.102	0.0185	--	--	--
29	4164	--	--	--	--	--	365	0.149	0.129	2	16	49	63	343	0.24	0.057	0.0211	--	--	--
30	4137	357	2	1.50	0	0	358	0.137	0.114	0	6	42	53	345	0.08	0.043	0.0175	--	--	--
30	4157	--	--	--	--	--	365	0.114	0.099	0	0	17	21	--	--	--	--	--	--	--
SAN BERNARDINO COUNTY																				
32	5175	364	3	1.75	0	0	365	0.174	0.138	6	14	33	53	347	0.13	0.085	0.0384	--	--	--
33	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
34	5197	--	--	--	--	--	365	0.165	0.136	6	13	31	44	365	0.13	0.084	0.0358	330*	0.01*	0.010*
34	5203	365	4	3.25	0	0	365	0.184	0.144	5	18	39	55	329*	0.11*	0.066*	0.0303*	--	--	--
35	5204	--	--	--	--	--	327*	0.167*	0.144*	7*	21*	52*	68*	--	--	--	--	--	--	--
37	5181	--	--	--	--	--	365	0.171	0.139	12	26	74	88	--	--	--	--	--	--	--
38	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT MAXIMUM			12	7.71	0	0		0.190	0.144	12	26	74	88		0.25	0.102	0.0419		0.09	0.012

ppm - Parts Per Million parts of air, by volume.

AAM = Annual Arithmetic Mean

-- - Pollutant not monitored.

*Less than 12 full months of data. May not be representative.

**Salton Sea Air Basin.

a) - The federal 1-hour standard (1-hour average CO > 35 ppm) and state 1-hour standard (1-hour average CO > 20 ppm) were not exceeded.

b) - The state standard is 1-hour average > 0.25 ppm. No location exceeded state standard.

c) - The federal standard is annual arithmetic mean NO₂ greater than 0.0534 ppm. No location exceeded this standard.

d) - The state standards are 1-hour average > 0.25 ppm and 24-hour average > 0.045 ppm. No location exceeded state standards.

The federal standards are annual arithmetic mean SO₂ > 0.03 ppm, 3-hour average > 0.50 ppm, and 24-hour average > 0.14 ppm.

SO₂ concentrations were well below the federal standards.

l) - Station relocated in May 2001.



**South Coast
Air Quality Management District**
21865 East Copley Drive
Diamond Bar, CA 91765-4182
<http://www.aqmd.gov>

The map showing the locations of source/receptor areas can be accessed via the Internet at <http://www.aqmd.gov/smog/areamap.html>. Locations of source/receptor areas are shown on the "South Coast Air Quality Management District Air Monitoring Areas" map available free of charge from SCAQMD Public Information.

**2001 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

2001

Source/Receptor Area No. Location	Station No.	Suspended Particulates PM10 ^{e)}						Suspended Particulates PM2.5 ^{f)}				Particulates TSP ^{g)}			Lead ^{g)}		Sulfate ^{g)}	
		No. Days of Data	Max. Conc. µg/m ³ 24-hour	No. (%) Samples Exceeding Standard		Annual Averages ^{h)}		No. Days of Data	Max. Conc. µg/m ³ 24-hour	No. (%) Samples Exceeding Standard		No. Days of Data	Max. Conc. µg/m ³ 24-hour	Annual Average ⁱ⁾ µg/m ³	Max. Monthly Average Conc. j) µg/m ³	Max. Quarterly Average Conc. j) µg/m ³	Max. Conc. µg/m ³ 24-hour	No. (%) Samples Exceeding Standard State ≥ 25 µg/m ³ 24-hour
				Federal > 150 µg/m ³ 24-hour	State > 50 µg/m ³ 24-hour	AAM Conc. µg/m ³	AGM Conc. µg/m ³			Federal > 65 µg/m ³ 24-hour	AAM Conc. µg/m ³							
LOS ANGELES COUNTY																		
1 Central LA	087	61	97	0	20(33)	44.2	40.3	334	73.4	4(1.2)	22.9	61	131	75.4	0.06	0.05	15.9	0
2 Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	60	81	46.5	--	--	15.6	0
3 Southwest Coastal LA County	094	58	75	0	8(14)	37.1	34.4	--	--	--	--	61	118	71.4	0.04	0.04	20.6	0
4 South Coastal LA County	072	59	91	0	10(17)	37.4	34.8	317	72.9	1(0.3)	21.4	68	113	67.2	0.05	0.04	15.9	0
6 West San Fernando Valley	074	--	--	--	--	--	--	109	71.1	1(0.9)	18.5	--	--	--	--	--	--	--
7 East San Fernando Valley	069	61	86	0	14(23)	40.9	36.9	--	117	94.7	4(3.4)	24.9	--	--	--	--	--	--
8 West San Gabriel Valley	088	--	--	--	--	--	--	110	78.1	1(0.9)	20.9	60	88	49.6	--	--	13.4	0
9 East San Gabriel Valley 1	060	58	106	0	22(38)	45.3	39.9	308	79.7	4(1.3)	21.8	59	178	93.9	--	--	14.1	0
9 East San Gabriel Valley 2	591	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10 Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11 South San Gabriel Valley	085	--	--	--	--	--	--	95	77.3	3(3.2)	26.1	59	146	76.9	0.07	0.05	14.5	0
12 South Central LA County	084	--	--	--	--	--	--	116	73.1	3(2.6)	24.5	58	385	90.2	0.23	0.12	15.4	0
13 Santa Clarita Valley	090 ^{l)}	61	62	0	4(7)	32.0	28.5	--	--	--	--	--	--	--	--	--	--	--
ORANGE COUNTY																		
16 North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17 Central Orange County	3176	46*	93*	0*	9(20)*	36.0*	33.7*	252*	70.8*	1(0.4)*	22.4*	--	--	--	--	--	--	--
18 North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19 Saddleback Valley	3812	57	60	0	3(5)	26.4	24.0	102	53.4	0	15.8	--	--	--	--	--	--	--
RIVERSIDE COUNTY																		
22 Norco/Corona	4155	54	109	0	18(33)	44.8	39.3	--	--	--	--	--	--	--	--	--	--	--
23 Metropolitan Riverside County 1	4144	117	136	0	78(67)	63.1	54.3	325	98.0	19(5.8)	31.1	57	296	123.7	0.04	0.03	10.7	0
23 Metropolitan Riverside County 2	4146	--	--	--	--	--	--	106	74.9	5(4.7)	28.3	61	182	86.8	0.03	0.03	9.2	0
24 Perris Valley	4149	60	86	0	16(27)	40.8	36.0	--	--	--	--	--	--	--	--	--	--	--
25 Lake Elsinore	4158	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29 Banning Airport	4164	54	219	1(1.9)	7(13)	35.1	26.7	--	--	--	--	--	--	--	--	--	--	--
30 Coachella Valley 1**	4137	49*	53 ^{k)}	0 ^{k)}	1(2) ^{k)}	26.7 ^{k)}	23.9 ^{k)}	107	44.7	0	10.8	--	--	--	--	--	--	--
30 Coachella Valley 2**	4157	112 ^{k)}	149 ^{k)}	0 ^{k)}	50(45) ^{k)}	50.2 ^{k)}	44.3 ^{k)}	113	33.5	0	12.2	--	--	--	--	--	--	--
SAN BERNARDINO COUNTY																		
32 Northwest San Bernardino Valley	5175	--	--	--	--	--	--	--	--	--	--	58	171	69.7	0.05	0.04	10.7	0
33 Southwest San Bernardino Valley	5817	64	166	1(1.6)	27(42)	52.4	46.2	113	71.2	2(1.8)	26.2	--	--	--	--	--	--	--
34 Central San Bernardino Valley 1	5197	60	106	0	34(57)	50.5	43.8	114	74.8	4(3.5)	24.8	60	237	102.1	--	--	10.7	0
34 Central San Bernardino Valley 2	5203	60	106	0	31(52)	52.0	45.2	111	78.5	5(4.5)	26.2	55	224	101.3	0.05	0.04	11.5	0
35 East San Bernardino Valley	5204	49*	102*	0*	22(45)*	46.6*	39.6*	--	--	--	--	--	--	--	--	--	--	--
37 Central San Bernardino Mountains	5181	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
38 East San Bernardino Mountains	5818	--	--	--	--	--	--	57	34.6	0	10.9	--	--	--	--	--	--	--
DISTRICT MAXIMUM			219	1	78	63.1	54.3		98.0	19	31.1		385	123.7	0.23	0.12	20.6	0

µg/m³ - Micrograms per cubic meter of air.

AAM - Annual Arithmetic Mean

AGM - Annual Geometric Mean

-- - Pollutant not monitored.

* - Less than 12 full months of data. May not be representative.

** - Salton Sea Air Basin.

e) - PM10 samples were collected every 6 days (every 3 days at Station Numbers 4144 and 4157) using the size-selective inlet high volume sampler with quartz filter media.

f) - PM2.5 samples were collected every 3 days at all sites except for the following sites: Station Numbers 060, 072, 087, 3176, and 4144 where samples were taken every day, and Station Number 5818 where samples were taken every 6 days.

g) - Total suspended particulates, lead, and sulfate were determined from samples collected every 6 days by the high volume sampler method, on glass fiber filter media.

h) - Federal PM10 standard is AAM > 50 µg/m³; and state standard is AGM > 30 µg/m³.

i) - Federal PM2.5 standard is AAM > 15 µg/m³.

j) - Federal lead standard is quarterly average > 1.5 µg/m³; and state standard is monthly average ≥ 1.5 µg/m³. No location exceeded lead standards.

Special monitoring immediately downwind of stationary sources of lead was carried out at four locations in 2000. The maximum monthly average concentration was 0.57 µg/m³, and the maximum quarterly average concentration was 0.49 µg/m³, both recorded in Area 1, Central Los Angeles.

k) - The data for the samples collected on high-wind-days (245 µg/m³ on 6/3/01, 180 µg/m³ on 6/12/01, 155 µg/m³ on 7/3/01, 604 µg/m³ on 8/17/01 and 165 µg/m³ on 9/13/01 at Station Number 4157; and 432 µg/m³ on 7/3/01 at Station Number 4137) were excluded in accordance with EPA's Natural Events Policy.

l) - Station relocated in May 2001.



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