

**2014 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

2014

Source/Receptor Area No. Location	Station No.	Carbon Monoxide a)			Ozone b)										Nitrogen Dioxide c)				Sulfur Dioxide d)			
		No. Days of Data	Max Conc. in ppm 1-hour	Max Conc. in ppm 8-hour	No. Days of Data	Max. Conc. in ppm 1-hour	Max. Conc. in ppm 8-hour	Fourth High Conc. ppm 8-hour	No. Days Standard Exceeded						No. Days of Data	Max Conc. in ppb 1-hour	98 th Percentile Conc. ppb 1-hour	Annual Average AAM Conc. ppb	No. Days of Data	Max. Conc. in ppb 1-hour	99 th Percentile Conc. ppb 1-hour	
									Old Federal > 0.124 ppm 1-hour	Current Federal > 0.070 ppm 8-hour	2008 Federal > 0.075 ppm 8-hour	1997 Federal > 0.084 ppm 8-hour	Current State > 0.09 ppm 1-hour	Current State > 0.070 ppm 8-hour								
LOS ANGELES COUNTY																						
1	Central LA	087	365	3	2.0	365	0.113	0.094	0.072	0	6	2	1	3	7	365	82.1	67.4	22.2	364	5.4	4.4
2	Northwest Coastal LA County	091	365	2	1.3	365	0.116	0.094	0.077	0	5	4	2	1	6	337	63.9	53.9	13.3	--	--	--
3	Southwest Coastal LA County	820	365	3	1.9	365	0.114	0.080	0.075	0	6	3	0	1	6	365	87.3	66.4	11.9	365	15.3	9.1
4	South Coastal LA County 1	072	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	South Coastal LA County 2	077	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4	South Coastal LA County 3	033	345	4	2.6	351	0.087	0.072	0.061	0	1	0	0	0	1	340	135.9	84.8	20.7	288*	14.7*	10.1*
6	West San Fernando Valley	074	365	4	3.0	365	0.116	0.092	0.083	0	27	11	2	6	31	327	58.9	52.4	11.7	--	--	--
7	East San Fernando Valley	069	158*	3*	3.0*	161*	0.091*	0.079*	0.069*	0*	2*	1*	0*	0*	2*	150*	73.2*	65.2*	21.8*	154*	4.5*	3.9*
8	West San Gabriel Valley	088	348	3	1.8	333	0.124	0.096	0.086	0	13	7	4	6	13	347	75.2	60.1	16.6	--	--	--
9	East San Gabriel Valley 1	060	365	2	1.9	365	0.123	0.092	0.081	0	18	11	3	11	20	361	70.2	60.6	17.8	--	--	--
9	East San Gabriel Valley 2	591	365	1	0.7	364	0.133	0.101	0.096	5	58	38	14	41	60	352	65.7	51.1	13.1	--	--	--
10	Pomona/Walnut Valley	075	365	2	1.6	358	0.123	0.099	0.090	0	53	33	9	22	56	365	88.9	63.8	22.1	--	--	--
11	South San Gabriel Valley	085	364	4	2.5	361	0.121	0.092	0.079	0	7	5	1	7	7	365	86.7	61.9	19.5	--	--	--
12	South Central LA County	112	356	6	3.8	355	0.094	0.081	0.073	0	4	2	0	0	4	350	68.2	59.2	15.6	--	--	--
13	Santa Clarita Valley	090	361	3	1.2	360	0.137	0.110	0.097	2	64	45	16	32	65	360	57.7	46.1	12.7	--	--	--
ORANGE COUNTY																						
16	North Orange County	3177	363	4	2.1	362	0.119	0.088	0.075	0	6	2	2	5	6	361	83.6	56.6	15.2	--	--	--
17	Central Orange County	3176	365	3	2.1	338	0.111	0.081	0.076	0	6	4	0	2	6	338	75.8	59.8	15.2	--	--	--
18	North Coastal Orange County	3195	365	3	1.9	364	0.096	0.079	0.076	0	6	4	0	1	6	365	60.6	53.7	10.8	357	8.8	3.7
19	Saddleback Valley	3812	365	1	0.7	365	0.115	0.088	0.078	0	10	5	2	4	10	--	--	--	--	--	--	--
RIVERSIDE COUNTY																						
22	Corona/Norco Area	4155	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
23	Metropolitan Riverside County 1	4144	365	2	1.9	365	0.141	0.104	0.091	1	66	41	12	29	69	362	59.9	53.2	15.1	365	5.6	3.5
23	Metropolitan Riverside County 2	4146	363	2	1.4	--	--	--	--	--	--	--	--	--	--	361	56.3	50.2	15.8	--	--	--
23	Metropolitan Riverside County 3	4165	364	2	2.4	364	0.138	0.102	0.087	1	52	29	6	17	55	364	57.7	49.2	13.7	--	--	--
24	Perris Valley	4149	--	--	--	341	0.117	0.094	0.089	0	59	38	7	16	63	--	--	--	--	--	--	--
25	Elsinore Valley	4158	355	2	1.4	354	0.104	0.086	0.079	0	13	6	1	4	13	334	45.3	39.6	8.2	--	--	--
26	Temecula Valley	4031	--	--	--	345	0.119	0.100	0.077	0	10	4	1	1	14	--	--	--	--	--	--	--
29	San Geronio Pass	4164	--	--	--	362	0.114	0.097	0.094	0	58	38	11	22	58	351	52.3	45.5	8.5	--	--	--
30	Coachella Valley 1**	4137	365	2	0.9	365	0.108	0.093	0.089	0	55	35	7	9	61	341	46.3	41.2	7.1	--	--	--
30	Coachella Valley 2**	4157	--	--	--	365	0.095	0.091	0.084	0	24	10	2	2	30	--	--	--	--	--	--	--
SAN BERNARDINO COUNTY																						
32	Northwest San Bernardino Valley	5175	361	3	1.2	361	0.126	0.101	0.093	1	57	42	15	34	60	357	74.1	56.7	16.6	--	--	--
33	Southwest San Bernardino Valley	5817	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
34	Central San Bernardino Valley 1	5197	331	3	1.2	330	0.127	0.105	0.093	1	52	37	14	31	52	330	70.4	63.6	20.2	330	4.0	2.8
34	Central San Bernardino Valley 2	5203	360	4	2.4	365	0.121	0.099	0.095	0	75	51	21	38	76	365	72.6	56.1	18.0	--	--	--
35	East San Bernardino Valley	5204	--	--	--	365	0.128	0.104	0.099	2	79	55	27	47	83	--	--	--	--	--	--	--
37	Central San Bernardino Mountains	5181	--	--	--	365	0.130	0.106	0.102	1	93	68	41	50	97	--	--	--	--	--	--	--
38	East San Bernardino Mountains	5818	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT MAXIMUM			6	3.8		0.141	0.110	0.102		5	93	68	41	50	97	135.9	84.8	22.2		15.3	10.1	
SOUTH COAST AIR BASIN				3.8		0.141	0.110	0.102		10	123	92	54	74	129	135.9	84.8	22.2		15.3	10.1	

- * Incomplete data. ** Salton Sea Air Basin -- Pollutant not monitored
- ppm – Parts Per Million parts of air, by volume ppb – Parts Per Billion parts of air, by volume AAM – Annual Arithmetic Mean
- a) The federal 8-hour standard (8-hour average CO > 9 ppm) and state 8-hour standard (8-hour average CO > 9.0 ppm) were not exceeded. The federal and state 1-hour CO standards (35 ppm and 20 ppm) were not exceeded.
- b) The current (2015) O₃ federal standard was revised effective December 28, 2015.
- c) The NO₂ federal 1-hour standard is 100 ppb and the annual standard is annual arithmetic mean NO₂ > 0.0534 ppm (53.4 ppb). The state 1-hour and annual standards are 0.18 ppm (180 ppb) and 0.030 ppm (30 ppb).
- d) The federal SO₂ 1-hour standard is 75 ppb (0.075 ppm). The state standards are 1-hour average SO₂ > 0.25 ppm (250 ppb) and 24-hour average SO₂ > 0.04 ppm (40 ppb).



For information on the current standard levels and most recent revisions please refer to "Appendix II – Current Air Quality" of the "Final 2012 AQMP" which can be accessed at [http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2012-air-quality-management-plan/final-2012-aqmp-\(february-2013\)/appendix-ii-final-2012.pdf](http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2012-air-quality-management-plan/final-2012-aqmp-(february-2013)/appendix-ii-final-2012.pdf). Maps showing the source/receptor area boundaries can be accessed via the Internet by entering your address in the AQMD Current Hourly Air Quality Map, at <http://www2.aqmd.gov/webapp1/gis/qi2/VEMap3D.aspx>. A printed map or copy of the AQMP Appendix II is also available free of charge from the AQMD Public Information Center at 1-800-CUT-SMOG.

**2014 AIR QUALITY
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

2014

Source/Receptor Area No. Location	Station No.	Suspended Particulates PM10 ^{e)}				Fine Particulates PM2.5 ^{g)}					Lead ⁱ⁾		PM10 Sulfate ^{j)}		
		No. Days of Data	Max. Conc. in $\mu\text{g}/\text{m}^3$ 24-hour	No. (%) Samples Exceeding Standards Federal > 150 $\mu\text{g}/\text{m}^3$ 24-hour	State > 50 $\mu\text{g}/\text{m}^3$ 24-hour	Annual Average Conc. ^{f)} ($\mu\text{g}/\text{m}^3$)	No. Days of Data	Max. Conc. in $\mu\text{g}/\text{m}^3$ 24-hour	98 th Percentile Conc. in $\mu\text{g}/\text{m}^3$ 24-hour	No (%) Samples Exceeding Federal Std > 35 $\mu\text{g}/\text{m}^3$ 24-hour	Annual Average Conc. ^{g)} ($\mu\text{g}/\text{m}^3$)	Max. Monthly Average Conc. $\mu\text{g}/\text{m}^3$	Max. 3-Months Rolling Averages $\mu\text{g}/\text{m}^3$	No. Days of Data	Max. Conc. in $\mu\text{g}/\text{m}^3$ 24-hour
LOS ANGELES COUNTY															
1 Central LA	087	359	87	0	32(9%)	35.4	341	59.9	34.5	6(1.8%)	12.36	0.013	0.01	57	11.0
2 Northwest Coastal LA County	091	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3 Southwest Coastal LA County	820	60	46	0	0	22.0	--	--	--	--	--	0.008	0.01	60	5.1
4 South Coastal LA County 1	072	--	--	--	--	--	346	51.5	31.3	2(0.6%)	11.42	--	--	--	--
4 South Coastal LA County 2	077	59	59	0	2(3%)	26.6	329	52.2	27.2	2(0.6%)	10.72	0.012	0.01	59	4.5
4 South Coastal LA County 3	033	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6 West San Fernando Valley	074	--	--	--	--	--	109	27.2	20.9	0	9.72	--	--	--	--
7 East San Fernando Valley	069	164*	68*	0*	2(1%)*	31.2*	178*	64.6*	29.0*	2(1.1%)*	12.08*	--	--	29*	4.0*
8 West San Gabriel Valley	088	--	--	--	--	--	113	38.8	26.3	1(0.9%)	11.29	--	--	--	--
9 East San Gabriel Valley 1	060	60	96	0	22(37%)	44.1	118	32.4	29.9	0	11.63	--	--	59	14.3
9 East San Gabriel Valley 2	591	360	78	0	30(8%)	32.9	--	--	--	--	--	--	--	--	--
10 Pomona/Walnut Valley	075	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11 South San Gabriel Valley	085	--	--	--	--	--	116	35.1	30.1	0	12.08	0.017	0.01	--	--
12 South Central LA County	112	--	--	--	--	--	113	35.8	30.9	1(0.9%)	12.64	0.013	0.01	--	--
13 Santa Clarita Valley	090	59	47	0	0	23.2	--	--	--	--	--	--	--	58	4.3
ORANGE COUNTY															
16 North Orange County	3177	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17 Central Orange County	3176	364	122	0	12(3%)	26.3	344	56.2	34.4	6(1.7%)	10.53	--	--	61	9.4
18 North Coastal Orange County	3195	--	--	--	--	--	--	--	--	--	--	--	--	--	--
19 Saddleback Valley	3812	60	41	0	0	20.2	115	25.5	21.6	0	8.02	--	--	60	4.0
RIVERSIDE COUNTY															
22 Corona/Corona Area	4155	59	65	0	3(5%)	30.9	--	--	--	--	--	--	--	59	3.8
23 Metropolitan Riverside County 1	4144	361	100	0	101(28%)	42.0	346	48.9	34.3	5(1.4%)	12.48	0.011	0.01	117	4.1
23 Metropolitan Riverside County 2	4146	365	91	0	27(7%)	33.6	110	30.9	26.0	0	10.94	0.010	0.01	--	--
23 Metropolitan Riverside County 3	4165	359	145	0	207(58%)	54.9	351	73.6	40.0	9(2.6%)	14.48	--	--	61	4.2
24 Perris Valley	4149	60	87	0	8(13%)	35.1	--	--	--	--	--	--	--	60	3.5
25 Elsinore Valley	4158	355	86	0	10(3%)	25.0	--	--	--	--	--	--	--	--	--
26 Temecula Valley	4031	--	--	--	--	--	--	--	--	--	--	--	--	--	--
29 San Geronio Pass	4164	58	45	0	0	20.7	--	--	--	--	--	--	--	58	2.7
30 Coachella Valley 1**	4137	356	113	0	10(3%)	22.6	113	15.5	14.5	0	6.42	--	--	54	2.6
30 Coachella Valley 2**	4157	359+	152+	0+	64(18%)+	40.2+	112	26.5	16.8	0	8.32	--	--	121	3.2
SAN BERNARDINO COUNTY															
32 Northwest San Bernardino Valley	5175	356	80	0	9(3%)	28.9	--	--	--	--	--	0.009	0.01	--	--
33 Southwest San Bernardino Valley	5817	30*	67*	0*	4(13%)*	33.2*	58*	38.4*	34.6*	1(1.7%)*	12.96*	--	--	30*	3.9*
34 Central San Bernardino Valley 1	5197	58	68	0	13(22%)*	39.7	109	78.9	34.5	1(0.9%)*	13.18	--	--	58	5.0
34 Central San Bernardino Valley 2	5203	362	140	0	18(5%)	34.2	110	73.9	28.1	1(0.9%)	11.67	0.012	0.01	60	4.6
35 East San Bernardino Valley	5204	60	62	0	2(3%)	25.9	--	--	--	--	--	--	--	59	3.4
37 Central San Bernardino Mountains	5181	61	47	0	0	18.5	--	--	--	--	--	--	--	60	2.9
38 East San Bernardino Mountains	5818	--	--	--	--	--	56	24.2	19.1	0	7.03	--	--	--	--
DISTRICT MAXIMUM			152+	0+	207+	54.9		78.9	40.0	9	14.48	0.017++	0.01++		14.3
SOUTH COAST AIR BASIN			145	0	233	54.9		78.9	40.0	15	14.48	0.017++	0.01++		14.3

* Incomplete data. ** Salton Sea Air Basin $\mu\text{g}/\text{m}^3$ – Micrograms per cubic meter of air AAM – Annual Arithmetic Mean -- Pollutant not monitored
e) Federal Reference Method (FRM) PM10 samples were collected every 6 days at all sites except for Stations 4144 and 4157, where samples were collected every 3 days. Federal Equivalent Method (FEM) PM10 continuous monitoring instruments were operated at some of the above locations. PM10 statistics listed above are based on FRM-FEM combined data.
f) State standard is annual average (AAM) > 20 $\mu\text{g}/\text{m}^3$. Federal annual PM10 standard (AAM > 50 $\mu\text{g}/\text{m}^3$) was revoked in 2006.
+ High FRM and FEM PM10 data sample were excluded due to high winds in accordance with the U.S. EPA Exceptional Event Rule.
g) PM2.5 samples were collected every 3 days at all sites except for station numbers 072, 077, 087, 3176, 4144 and 4165, where samples were taken daily, and station number 5818 where samples were taken every 6 days. PM2.5 statistics listed above are for the FRM data only. FEM PM2.5 continuous monitoring instruments were operated at some of the above locations for real-time alerts and forecasts.
h) Both Federal and State standards are annual average (AAM) > 12.0 $\mu\text{g}/\text{m}^3$.
i) Federal lead standard is 3-months rolling average > 0.15 $\mu\text{g}/\text{m}^3$; state standard is monthly average \geq 1.5 $\mu\text{g}/\text{m}^3$. Lead standards were not exceeded.
j) State sulfate standard is 24-hour \geq 25 $\mu\text{g}/\text{m}^3$. There is no federal standard for sulfate.
++ Higher lead concentrations were recorded at source-oriented monitoring sites immediately downwind of stationary lead sources. Maximum monthly and 3-month rolling averages recorded were 0.10 $\mu\text{g}/\text{m}^3$ and 0.07 $\mu\text{g}/\text{m}^3$, respectively.

