

Air Quality Standards Compliance Report (AQSCR)

Statistics for July/August 2009

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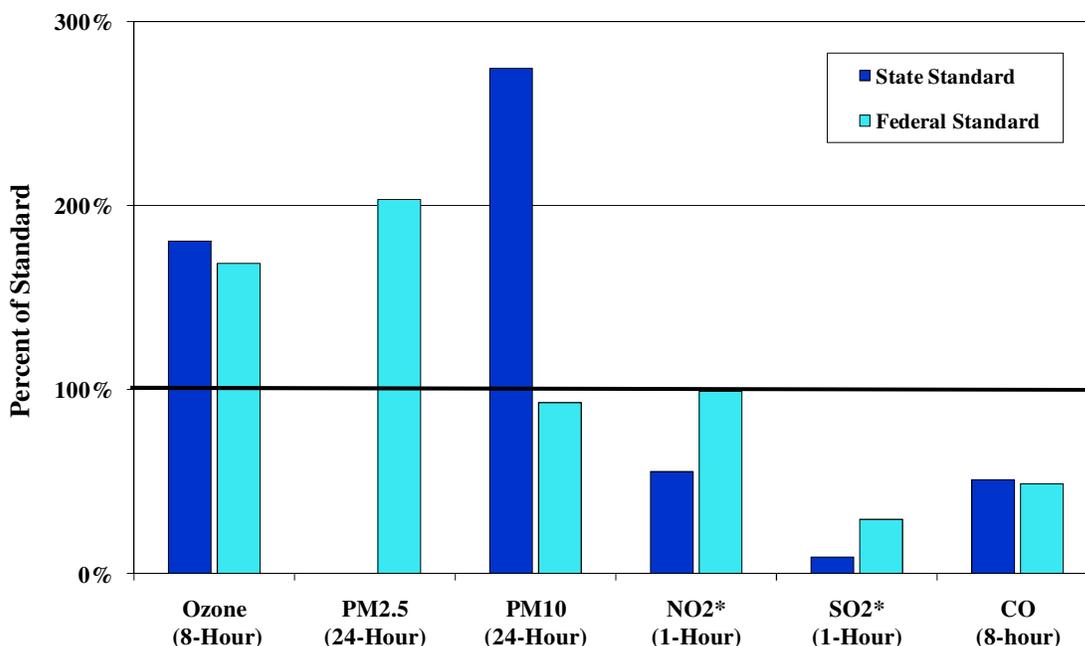
Air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley in the Salton Sea Air Basin for the months of July and August are shown and summarized in the following tables.

Figure 1 (below) shows the 2009 year-to-date (through August) maximum pollutants concentrations in the District (Basin and Coachella Valley) as percent of the current state and federal standards. Figure 2 shows the location of the District's air monitoring stations in each source/receptor area. Tables 1 and 2 summarize monthly air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley monitoring areas during the months of July and August 2009. The tables show maximum concentrations of the pollutants in each source/receptor area and number of days on which the locations monitored exceeded federal and/or state standards.

This bimonthly publication satisfies the requirements for reporting on air quality in the South Coast Air Basin set by California legislation (Chapter 1301, Statutes of 1987; Health and Safety Code Section 40451(d)), and supplies similar information for the areas of the Salton Sea Air Basin (Coachella Valley) served by the District.

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For information on the current state and federal ambient air quality standards please refer to the Table 1 of the January/February 2009 issue of the AQSCR.



*Based on the recently established federal standards effective in 2010.

Figure 1
January-August 2009 Air Quality
Maximum Concentrations as Percent of Standards



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

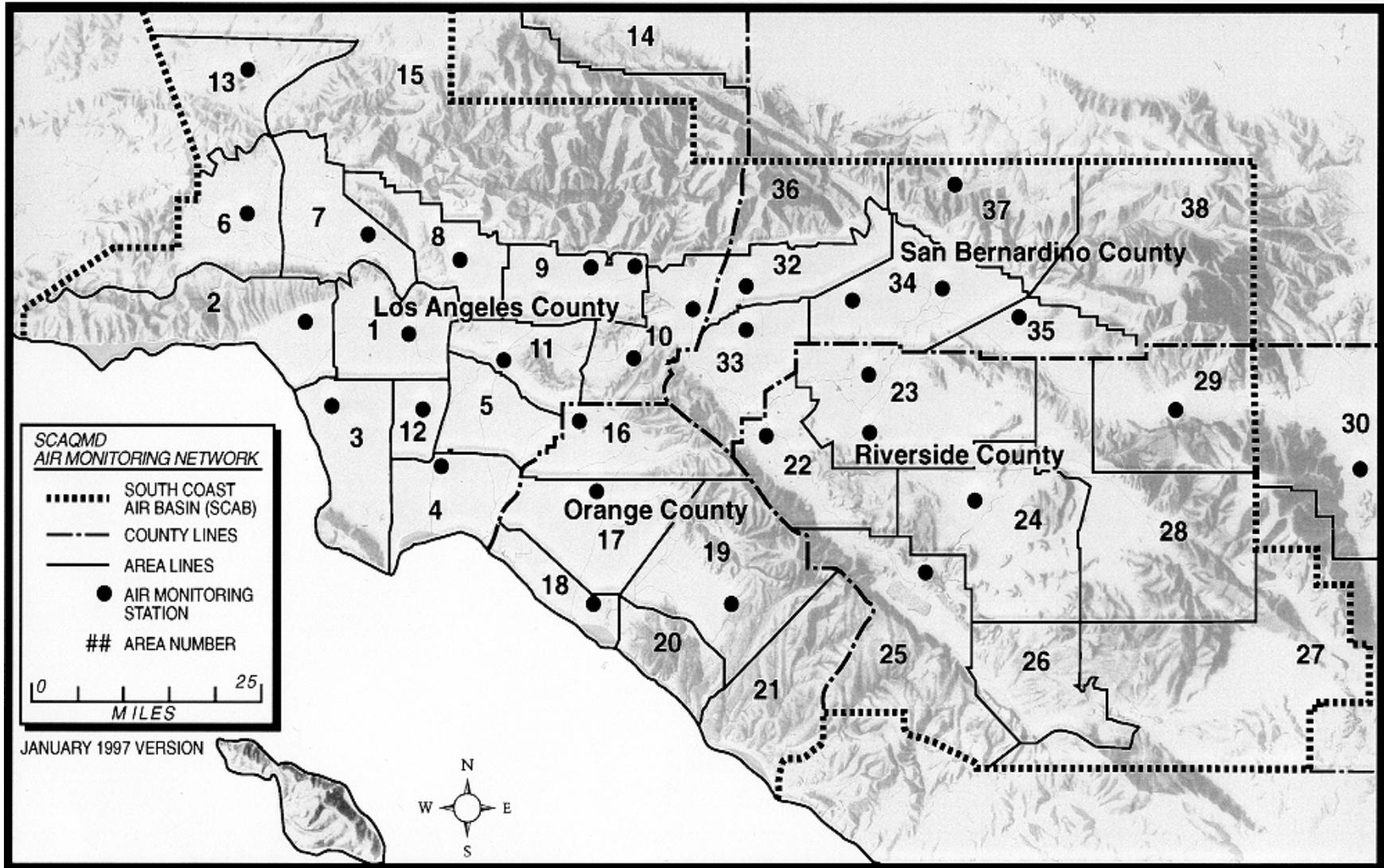


Figure 2
 South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
 Air Basins and Monitoring Stations

Table 1
July 2009
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station No.	Ozone						Carbon Monoxide		Nitrogen Dioxide		Sulfur Dioxide			
			No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State/ Federal Standard ^{a)}	Max 1-hour ppb	Days Exceeding State/ Federal Standard ^{b)}	Max 1-hour ppb	Max 24-hour ppm	
			State Standard		Health Advisory		Federal Standard									
			1-hour > 0.09 ppm	8-hour > 0.070 ppm	1-hour ≥ 0.15 ppm	1-hour > 0.124 ppm	8-hour > 0.075 ppm	Max 1-hour ppm	Max 8-hour ppm							
LOS ANGELES COUNTY																
1	Central LA	87	0	0	0	0	0	0.08	0.066	0/0	1.00	0/0	68	0/0	9	0.001
2	Northwest Coastal LA County	91	0	0	0	0	0	0.09	0.067	0/0	0.71	0/0	39			
3	Southwest Coastal LA County	820	0	0	0	0	0	0.07	0.054	0/0	0.47	0/0	23		10	0.002
4	South Coastal LA County 1	72	0	0	0	0	0	0.06	0.046	0/0	0.43	0/0	48	0/0	8	0.003
4	South Coastal LA County 2	77														
6	West San Fernando Valley	74	3	5	0	0	3	0.11	0.091	0/0	1.00	0/0	48			
7	East San Fernando Valley	69	3	5	0	0	3	0.12	0.093	0/0	0.88	0/0	53	0/0	7	0.001
8	West San Gabriel Valley	88	3	3	0	1	3	0.13	0.084	0/0	0.00	0/0	42			
9	East San Gabriel Valley 1	60	6	7	0	1	5	0.13	0.093	0/0	1.00	0/0	42			
9	East San Gabriel Valley 2	591	11	15	1	3	7	0.15	0.109	0/0	1.00	0/0	42			
10	Pomona/Walnut Valley	75	5	7	0	0	6	0.12	0.098	0/0	1.00	0/0	56			
11	South San Gabriel Valley	85	1	0	0	0	0	0.10	0.070	0/0	0.71	0/0	45			
12	South Central LA County	112	0	0	0	0	0	0.07	0.055	0/0	0.60	0/0	40			
13	Santa Clarita Valley	90	14	19	0	1	18	0.14	0.122	0/0	0.14	0/0	42			
ORANGE COUNTY																
16	North Orange County	3177	0	0	0	0	0	0.08	0.067	0/0	0.86	0/0	36			
17	Central Orange County	3176	0	0	0	0	0	0.07	0.060	0/0	0.29	0/0	32			
18	North Coastal Orange County	3195	0	0	0	0	0	0.06	0.050	0/0	0.63	0/0	21	0/0	4	0.001
19	Saddleback Valley	3812	0	0	0	0	0	0.08	0.070	0/0	0.00	0/0				
RIVERSIDE COUNTY																
22	Norco/Corona	4155														
23	Metropolitan Riverside County 1	4144	5	14	0	0	7	0.12	0.101	0/0	0.33	0/0	41	0/0	5	0.001
23	Metropolitan Riverside County 2	4146								0/0	0.57	0/0	38			
23	Mira Loma	4165	2	8	0	0	4	0.09	0.084	0/0	0.55	0/0	34			
24	Perris Valley	4149	17	22	0	1	19	0.13	0.097							
25	Lake Elsinore	4158	7	13	0	1	8	0.13	0.097	0/0	0.14	0/0	35			
29	Banning Airport	4164	12	22	0	1	18	0.13	0.103			0/0	42			
30	Coachella Valley 1**	4137	7	21	0	0	14	0.08	0.098	0/0	0.43	0/0	28			
30	Coachella Valley 2**	4157	1	10	0	0	5	0.06	0.085							
SANBERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	14	16	1	1	10	0.15	0.121	0/0	0.86	0/0	55			
33	Southwest San Bernardino Valley	5817														
34	Central San Bernardino Valley 1	5197	10	14	0	1	10	0.14	0.128	0/0	1.00	0/0	55	0/0	5	0.001
34	Central San Bernardino Valley 2	5203	16	24	1	1	17	0.15	0.126	0/0	0.14	0/0	43			
35	East San Bernardino Valley	5204	20	25	1	1	22	0.15	0.122							
37	Central San Bernardino Mountains	5181	24	30	2	5	27	0.15	0.117							
38	East San Bernardino Mountains	5818														
District Maximum			24	30	2	5	22	0.15	0.128	0	1.00	0	68	0	10	0.003

** Salton Sea Air Basin.

a) U.S. EPA has established a new 1-hour NO2 standard of 100 ppb, effective April 12, 2010.

b) U.S. EPA has established a new 1-hour SO2 standard of 75 ppb, effective August 23, 2010.

Table 1 (continued)
July 2009
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station No.	PM10				PM2.5			Lead*		Sulfate	
			No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Number of Days Exceeding Federal Standard > 35 µg/m3	Max 24-hour Average µg/m3	Number Days Sampled	Monthly Average* µg/m3	Number Days Sampled	Max 24-hour Average µg/m3
			State Standard	Federal Standard									
LOS ANGELES COUNTY													
1	Central LA	87	0(0%)	0(0%)	5	33	30	0	21.0	5	0.00	5	7.8
2	Northwest Coastal LA County	91										5	7.8
3	Southwest Coastal LA County	820	0(0%)	0(0%)	5	29	8	0	13.0	5	0.00	5	6.1
4	South Coastal LA County 1	72	0(0%)	0(0%)	4	25	31	0	16.3	5	0.00	5	7.8
4	South Coastal LA County 2	77	0(0%)	0(0%)	5	26	29	0	14.8	5	0.01	5	9.2
6	West San Fernando Valley	74					10	0	13.9				
7	East San Fernando Valley	69	0(0%)	0(0%)	5	41	25	0	16.6				
8	West San Gabriel Valley	88					9	0	14.4			4	5.4
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	38	10	0	15.3			5	6.3
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					9	0	15.1	5	0.00	5	7.1
12	South Central LA County	112					8	0	13.0	5	0.00	5	7.3
13	Santa Clarita Valley	90	0(0%)	0(0%)	4	37							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	3	27	31	0	22.0				
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	4	23	10	0	14.0				
RIVERSIDE COUNTY													
22	Norco/Corona	4155	0(0%)	0(0%)	5	35							
23	Metropolitan Riverside County 1	4144	3(30%)	0(0%)	10	57	30	1	39.7	5	0.00	5	6.4
23	Metropolitan Riverside County 2	4146					8	0	15.7	5	0.00	5	6.2
23	Mira Loma	4165	3(60%)	0(0%)	5	60	31	0	33.9				
24	Perris Valley	4149	0(0%)	0(0%)	4	46							
25	Lake Elsinore	4158											
29	Banning Airport	4164	0(0%)	0(0%)	4	38							
30	Coachella Valley 1**	4137	1(25%)	0(0%)	4	140	6	0	19.8				
30	Coachella Valley 2**	4157	2(20%)	0(0%)	10	132	6	0	19.7				
SANBERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175								5	0.00	5	6.1
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	36	9	0	15.3				
34	Central San Bernardino Valley 1	5197	1(20%)	0(0%)	5	51	10	0	18.1			4	5.9
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	5	48	9	0	17.3	5	0.00	5	6.9
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	44							
37	Central San Bernardino Mountains	5181	0(0%)	0(0%)	5	41							
38	East San Bernardino Mountains	5818					5	0	10.1				
District Maximum			3	0		140		1	39.7		0.01		9.2

*Higher lead concentrations were recorded at special monitoring sites adjacent to sources. Data is not available at this time.

**Salton Sea Air Basin.

Table 2
August 2009
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station No.	Ozone						Carbon Monoxide		Nitrogen Dioxide		Sulfur Dioxide			
			No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State/ Federal Standard ^{a)}	Max 1-hour ppb	Days Exceeding State/ Federal Standard ^{b)}	Max 1-hour ppb	Max 24-hour ppm	
			State Standard		Health Advisory		Federal Standard									
1-hour > 0.09 ppm	8-hour > 0.070 ppm	1-hour >= 0.15 ppm	1-hour > 0.124 ppm	8-hour > 0.075 ppm	Max 1-hour ppm	Max 8-hour ppm										
LOS ANGELES COUNTY																
1	Central LA	87	2	5	0	1	1	0.14	0.100	0/0	2.00	0/0	75	0/0	4	0.001
2	Northwest Coastal LA County	91	4	4	0	1	1	0.13	0.095	0/0	1.43	0/0	70			
3	Southwest Coastal LA County	820	0	0	0	0	0	0.07	0.063	0/0	1.13	0/0	54	0/0	8	0.002
4	South Coastal LA County 1	72	0	0	0	0	0	0.09	0.066	0/0	1.29	0/0	75	0/0	12	0.001
4	South Coastal LA County 2	77														
6	West San Fernando Valley	74	5	13	0	1	2	0.13	0.101	0/0	1.14	0/0	53			
7	East San Fernando Valley	69	5	8	1	1	3	0.15	0.097	0/0	1.57	0/0	88	0/0	13	0.003
8	West San Gabriel Valley	88	5	6	1	2	5	0.18	0.113	0/0	2.14	0/0	69			
9	East San Gabriel Valley 1	60	8	11	1	2	3	0.15	0.107	0/0	1.71	0/0	62			
9	East San Gabriel Valley 2	591	16	19	2	3	6	0.15	0.117	0/0	2.00	0/0	52			
10	Pomona/Walnut Valley	75	11	16	0	1	4	0.14	0.100	0/0	1.00	0/0	72			
11	South San Gabriel Valley	85	4	3	0	1	1	0.13	0.101	0/0	1.00	0/0	70			
12	South Central LA County	112	2	1	0	0	1	0.10	0.086	0/0	1.51	0/0	88			
13	Santa Clarita Valley	90	16	18	0	2	12	0.14	0.102	0/0	1.00	0/0	45			
ORANGE COUNTY																
16	North Orange County	3177	1	3	0	0	0	0.10	0.082	0/0	1.43	0/0	54			
17	Central Orange County	3176	0	1	0	0	0	0.08	0.076	0/0	1.00	0/0	54			
18	North Coastal Orange County	3195	0	0	0	0	0	0.09	0.063	0/0	1.00	0/0	58	0/0	4	0.001
19	Saddleback Valley	3812	3	4	0	0	1	0.11	0.085	0/0	0.50					
RIVERSIDE COUNTY																
22	Norco/Corona	4155														
23	Metropolitan Riverside County 1	4144	9	16	0	0	6	0.11	0.091	0/0	1.00	0/0	54	0/0	3	0.001
23	Metropolitan Riverside County 2	4146								0/0	1.00	0/0	63			
23	Mira Loma	4165	10	16	0	0	13	0.12	0.090	0/0	0.89	0/0	50			
24	Perris Valley	4149	14	21	0	0	9	0.12	0.108							
25	Lake Elsinore	4158	6	17	0	0	6	0.12	0.106	0/0	0.29	0/0	43			
29	Banning Airport	4164	15	24	0	0	12	0.12	0.103			0/0	54			
30	Coachella Valley 1**	4137	10	20	0	0	8	0.12	0.097	0/0	0.14	0/0	31			
30	Coachella Valley 2**	4157	3	10	0	0	1	0.10	0.087							
SANBERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	18	18	0	2	12	0.14	0.105	0/0	1.00	0/0	71			
33	Southwest San Bernardino Valley	5817														
34	Central San Bernardino Valley 1	5197	17	17	0	2	14	0.13	0.102	0/0	1.00	0/0	67	0/0	2	0.001
34	Central San Bernardino Valley 2	5203	17	19	0	1	14	0.13	0.101	0/0	0.86	0/0	59			
35	East San Bernardino Valley	5204	19	22	0	0	14	0.12	0.103							
37	Central San Bernardino Mountains	5181	19	25	0	1	17	0.13	0.107							
38	East San Bernardino Mountains	5818														
District Maximum			19	25	2	3	17	0.18	0.117	0/0	2.14	0/0	88	0/0	13	0.003

** Salton Sea Air Basin.

a) U.S. EPA has established a new 1-hour NO2 standard of 100 ppb, effective April 12, 2010.

b) U.S. EPA has established a new 1-hour SO2 standard of 75 ppb, effective August 23, 2010.

Table 2 (continued)
August 2009
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station No.	PM10				PM2.5			Lead*		Sulfate	
			No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	Number Days Sampled	Number of Days Exceeding Federal Standard > 35 µg/m3	Max 24-hour Average µg/m3	Number Days Sampled	Monthly Average* µg/m3	Number Days Sampled	Max 24-hour Average µg/m3
			State Standard	Federal Standard									
LOS ANGELES COUNTY													
1	Central LA	87	0(0%)	0(0%)	4	47	31	0	33.4	5	0.01	5	8.2
2	Northwest Coastal LA County	91										5	5.7
3	Southwest Coastal LA County	820	0(0%)	0(0%)	5	33				5	0.00	5	6.8
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	42	26	0	23.7	5	0.01	5	8.0
4	South Coastal LA County 2	77	0(0%)	0(0%)	5	42	31	0	26.8	5	0.01	5	7.2
6	West San Fernando Valley	74					9	0	19.3				
7	East San Fernando Valley	69	1(20%)	0(0%)	5	62	30	0	28.9				
8	West San Gabriel Valley	88					8	1	35.7			5	5.9
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	48	10	1	72.1			5	6.6
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					9	0	25.4	5	0.01	5	9.4
12	South Central LA County	112											
13	Santa Clarita Valley	90	0(0%)	0(0%)	5	44							
ORANGE COUNTY													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	5	45	28	0	24.3				
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RIVERSIDE COUNTY													
22	Norco/Corona	4155	0(0%)	0(0%)	5	48							
23	Metropolitan Riverside County 1	4144	4(40%)	0(0%)	10	61	30	2	36.2	5	0.01	5	6.8
23	Metropolitan Riverside County 2	4146					10	0	21.4	5	0.01	5	5.8
23	Mira Loma	4165	4(80%)	0(0%)	5	79	21	3	40.9				
24	Perris Valley	4149	1(25%)	0(0%)	4	52							
25	Lake Elsinore	4158											
29	Banning Airport	4164	0(0%)	0(0%)	5	45							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	2	23	7	0	14.6				
30	Coachella Valley 2**	4157	0(0%)	0(0%)	10	50	9	0	15.0				
SANBERNARDINO COUNTY													
32	Northwest San Bernardino Valley	5175								5	0.01	5	6.5
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	45	10	0	24.1				
34	Central San Bernardino Valley 1	5197	0(0%)	0(0%)	4	50	10	0	26.8			5	6.4
34	Central San Bernardino Valley 2	5203	1(20%)	0(0%)	5	53	6	0	21.0	5	0.01	5	6.2
35	East San Bernardino Valley	5204	1(20%)	0(0%)	5	51							
37	Central San Bernardino Mountains	5181	0(0%)	0(0%)	4	35							
38	East San Bernardino Mountains	5818					5	0	9.4				
District Maximum			4	0		79		3	72.1		0.01		9.4

*Higher lead concentrations were recorded at special monitoring sites adjacent to sources. Data is not available at this time.

**Salton Sea Air Basin.