

# Air Quality Standards Compliance Report (AQSCR)

Statistics for September/October 2009

Vol. 22, No. 5

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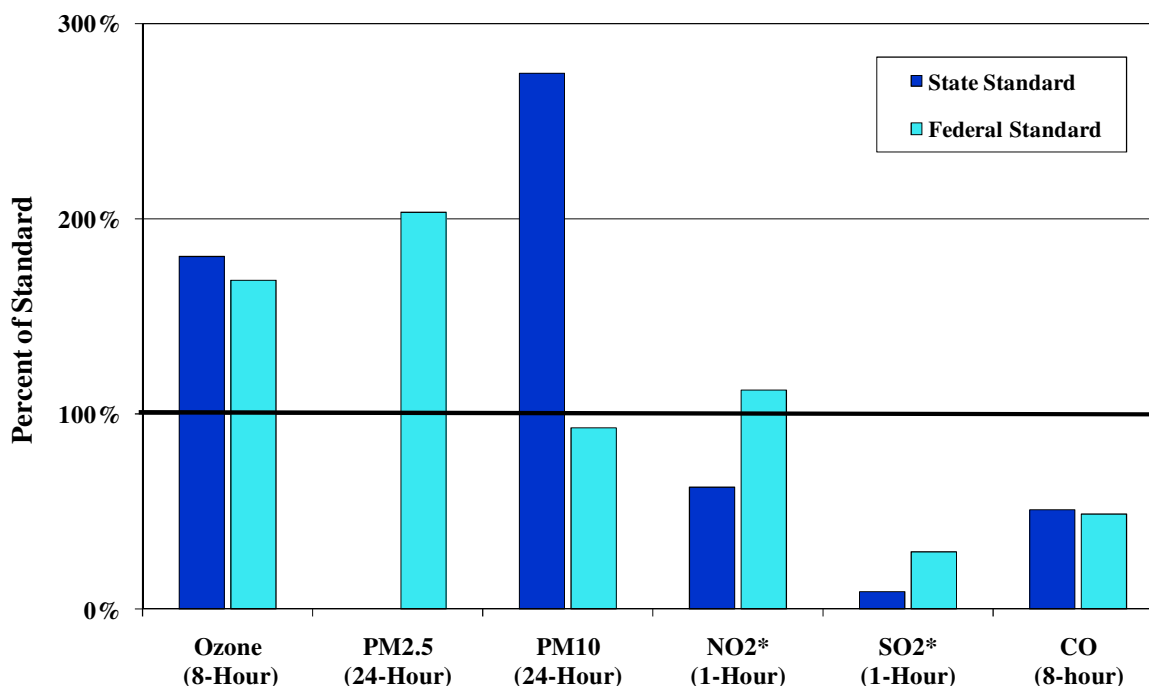
Air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley in the Salton Sea Air Basin for the months of September and October are shown and summarized in the following tables.

Figure 1 (below) shows the 2009 year-to-date (through October) 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 September and October 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-October 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>

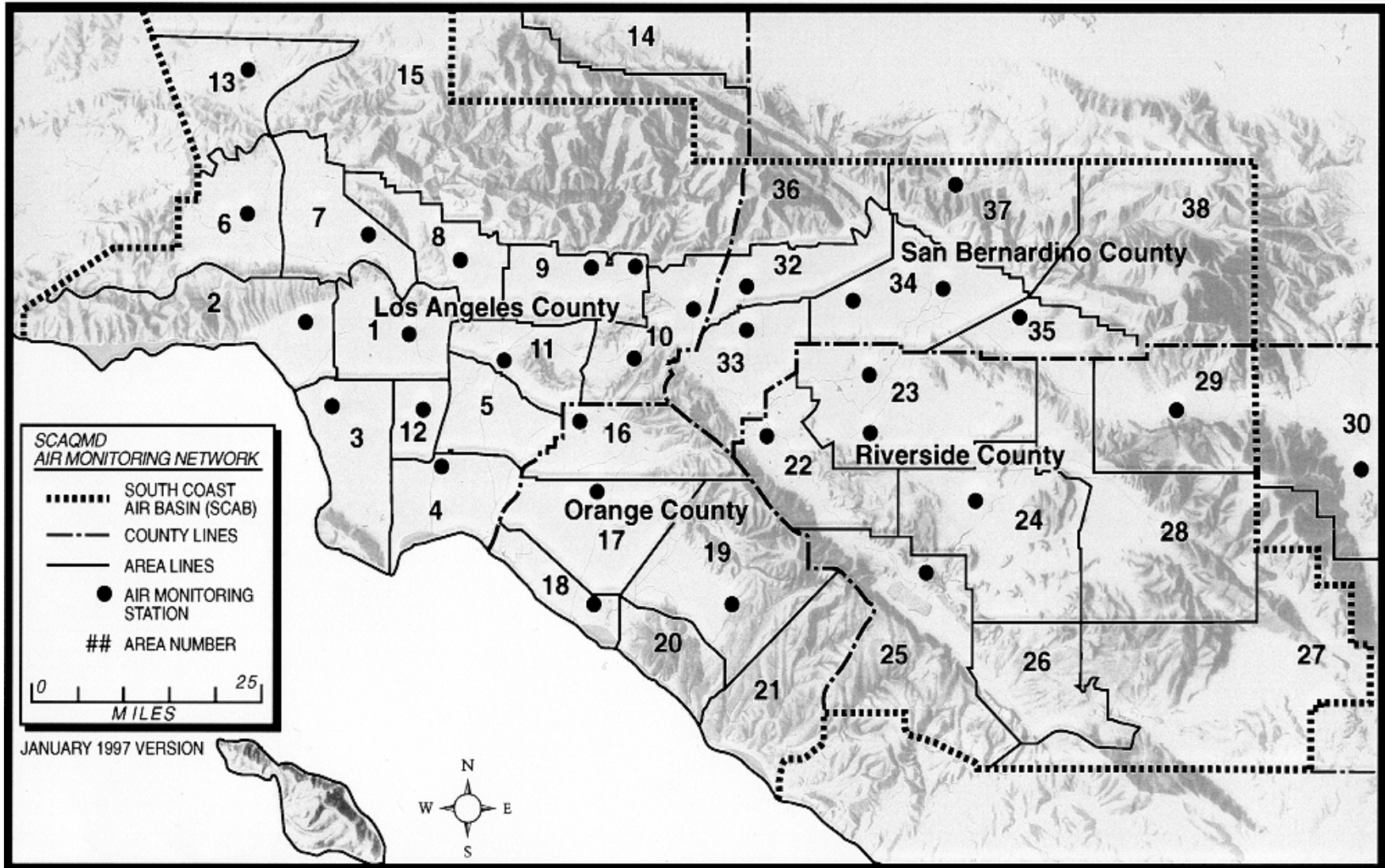


Figure 2  
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert  
Air Basins and Monitoring Stations

**Table 1**  
**September 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 <sup>a)</sup>	Max 1-hour ppb	Days Exceeding State/ Federal Standard <sup>b)</sup>	Max 1-hour ppb	Max 24-hour ppm	
			State Standard	Health Advisory	Old	Federal Standard	1-hour > 0.09 ppm	8-hour > 0.070 ppm								1-hour ≥ 0.15 ppm
<b>LOS ANGELES COUNTY</b>																
1	Central LA	87	1	0	0	0	0	0.12	0.070	0/0	1.71	0/1	103	0/0	4	0.001
2	Northwest Coastal LA County	91	0	0	0	0	0	0.09	0.066	0/0	1.43	0/0	64			
3	Southwest Coastal LA County	820	0	0	0	0	0	0.08	0.061	0/0	1.29	0/0	65	0/0	7	0.001
4	South Coastal LA County 1	72	0	0	0	0	0	0.07	0.055	0/0	1.00	0/0	70	0/0	9	0.002
4	South Coastal LA County 2	77														
6	West San Fernando Valley	74	5	8	0	0	5	0.12	0.095	0/0	1.29	0/0	55			
7	East San Fernando Valley	69	5	6	0	0	3	0.10	0.081	0/0	1.43	0/0	68	0/0	2	0.001
8	West San Gabriel Valley	88	3	6	0	0	2	0.11	0.086	0/0	1.00	0/0	72			
9	East San Gabriel Valley 1	60	6	7	0	1	4	0.13	0.091	0/0	1.00	0/0	66			
9	East San Gabriel Valley 2	591	11	12	0	1	11	0.14	0.105	0/0	1.00	0/0	60			
10	Pomona/Walnut Valley	75	6	9	0	0	4	0.11	0.093	0/0	1.29	0/0	83			
11	South San Gabriel Valley	85	2	2	0	0	1	0.11	0.080	0/0	1.00	0/0	96			
12	South Central LA County	112	0	0	0	0	0	0.08	0.065	0/0	1.71	0/0	70			
13	Santa Clarita Valley	90	11	13	0	2	12	0.13	0.098	0/0	1.43	0/0	48			
<b>ORANGE COUNTY</b>																
16	North Orange County	3177	1	2	0	0	1	0.11	0.080	0/0	1.29	0/0	67			
17	Central Orange County	3176	0	0	0	0	0	0.09	0.065	0/0	1.29	0/0	60			
18	North Coastal Orange County	3195	0	0	0	0	0	0.08	0.063	0/0	0.86	0/0	42	0/0	3	0.001
19	Saddleback Valley	3812	2	4	0	0	2	0.12	0.092	0/0	0.63					
<b>RIVERSIDE COUNTY</b>																
22	Norco/Corona	4155														
23	Metropolitan Riverside County 1	4144	3	9	0	0	6	0.11	0.087	0/0	1.17	0/0	63	0/0	3	0.001
23	Metropolitan Riverside County 2	4146								0/0	1.17	0/0	64			
23	Mira Loma	4165	2	6	0	0	4	0.10	0.082	0/0	1.00	0/0	58			
24	Perris Valley	4149	5	9	0	0	6	0.12	0.087							
25	Lake Elsinore	4158	2	9	0	0	1	0.10	0.080	0/0	0.57	0/0	50			
29	Banning Airport	4164	4	9	0	0	5	0.11	0.092			0/0	56			
30	Coachella Valley 1**	4137	0	2	0	0	1	0.09	0.083	0/0	0.29	0/0	30			
30	Coachella Valley 2**	4157	0	0	0	0	0	0.08	0.066							
<b>SANBERNARDINO COUNTY</b>																
32	Northwest San Bernardino Valley	5175	9	13	0	0	12	0.12	0.102	0/0	1.00	0/2	113			
33	Southwest San Bernardino Valley	5817														
34	Central San Bernardino Valley 1	5197	8	12	0	0	10	0.12	0.092	0/0	1.14	0/0	73	0/0	2	0.001
34	Central San Bernardino Valley 2	5203	7	14	0	0	10	0.12	0.097	0/0	1.00	0/0	55			
35	East San Bernardino Valley	5204	5	11	0	0	9	0.11	0.092							
37	Central San Bernardino Mountains	5181	7	15	0	1	12	0.13	0.108							
38	East San Bernardino Mountains	5818														
<b>District Maximum</b>			15	11	0	2	12	0.14	0.108	0/0	1.71	0/2	113	0/0	9	0.002

\*\* 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)**  
**September 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									
<b>LOS ANGELES COUNTY</b>													
1	Central LA	87	0(0%)	0(0%)	5	45	30	1	36.3	5	0.02	5	7.6
2	Northwest Coastal LA County	91										5	5.1
3	Southwest Coastal LA County	820	0(0%)	0(0%)	5	27				5	0.00	5	8.6
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	36	29	0	27.9	5	0.01	5	7.9
4	South Coastal LA County 2	77	0(0%)	0(0%)	4	35	30	0	25.9	5	0.01	5	9.0
6	West San Fernando Valley	74					6	0	15.5				
7	East San Fernando Valley	69	2(40%)	0(0%)	5	76	28	0	34.4				
8	West San Gabriel Valley	88					9	0	29.2			5	6.0
9	East San Gabriel Valley 1	60	4(80%)	0(0%)	5	74	10	1	36.5			5	7.9
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					9	0	30.4	5	0.02	5	7.8
12	South Central LA County	112											
13	Santa Clarita Valley	90	1(20%)	0(0%)	5	56							
<b>ORANGE COUNTY</b>													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	5	40	26	0	15.8				
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	5	35	10	0	13.5				
<b>RIVERSIDE COUNTY</b>													
22	Norco/Corona	4155	1(20%)	0(0%)	5	62							
23	Metropolitan Riverside County 1	4144	7(64%)	0(0%)	11	77	26	0	29.0	5	0.01	5	5.9
23	Metropolitan Riverside County 2	4146					5	0	20.6	5	0.01	5	5.3
23	Mira Loma	4165	5(100%)	0(0%)	5	74	15	0	19.3				
24	Perris Valley	4149	2(40%)	0(0%)	5	53							
25	Lake Elsinore	4158											
29	Banning Airport	4164	1(20%)	0(0%)	5	99							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	42	10	0	13.2				
30	Coachella Valley 2**	4157	1(10%)	0(0%)	10	79	9	0	10.5				
<b>SANBERNARDINO COUNTY</b>													
32	Northwest San Bernardino Valley	5175								5	0.01	5	6.2
33	Southwest San Bernardino Valley	5817	2(40%)	0(0%)	5	70	7	0	28.3				
34	Central San Bernardino Valley 1	5197	4(80%)	0(0%)	5	75	10	0	32.7			5	6.7
34	Central San Bernardino Valley 2	5203	4(80%)	0(0%)	5	63	8	0	19.9	5	0.01	5	5.3
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	47							
37	Central San Bernardino Mountains	5181	1(25%)	0(0%)	4	57							
38	East San Bernardino Mountains	5818					5	0	20.7				
<b>District Maximum</b>			7	0		99		1	36.5		0.02		9.0

\*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**  
**October 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 <sup>a)</sup>	Max 1-hour ppb	Days Exceeding State/ Federal Standard <sup>b)</sup>	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										
<b>LOS ANGELES COUNTY</b>																
1	Central LA	87	0	0	0	0	0	0.07	0.057	0/0	1.63	0/0	73	0/0	7	0.001
2	Northwest Coastal LA County	91	1	0	0	0	0	0.10	0.058	0/0	1.14	0/0	57			
3	Southwest Coastal LA County	820	0	0	0	0	0	0.08	0.062	0/0	1.57	0/0	67	0/0	6	0.001
4	South Coastal LA County 1	72	0	0	0	0	0	0.07	0.051	0/0	1.43	0/0	88	0/0	6	0.002
4	South Coastal LA County 2	77														
6	West San Fernando Valley	74	0	0	0	0	0	0.08	0.065	0/0	1.43	0/0	70			
7	East San Fernando Valley	69	0	1	0	0	0	0.09	0.073	0/0	1.86	0/0	75	0/0	2	0.001
8	West San Gabriel Valley	88	0	0	0	0	0	0.08	0.067	0/0	1.00	0/0	64			
9	East San Gabriel Valley 1	60	0	1	0	0	0	0.09	0.075	0/0	1.00	0/0	62			
9	East San Gabriel Valley 2	591	1	2	0	0	2	0.10	0.081	0/0	1.00	0/0	45			
10	Pomona/Walnut Valley	75	0	0	0	0	0	0.09	0.066	0/0	1.29	0/0	83			
11	South San Gabriel Valley	85	0	0	0	0	0	0.09	0.066	0/0	1.14	0/0	66			
12	South Central LA County	112	0	0	0	0	0	0.07	0.057	0/0	2.71	0/0	90			
13	Santa Clarita Valley	90	0	2	0	0	0	0.08	0.073	0/0	0.71	0/0	46			
<b>ORANGE COUNTY</b>																
16	North Orange County	3177	0	0	0	0	0	0.09	0.065	0/0	1.57	0/0	63			
17	Central Orange County	3176	0	0	0	0	0	0.08	0.065	0/0	2.00	0/0	67			
18	North Coastal Orange County	3195	0	0	0	0	0	0.08	0.062	0/0	1.14	0/0	56	0/0	4	0.002
19	Saddleback Valley	3812	0	1	0	0	0	0.09	0.073	0/0	0.63					
<b>RIVERSIDE COUNTY</b>																
22	Norco/Corona	4155														
23	Metropolitan Riverside County 1	4144	0	0	0	0	0	0.09	0.070	0/0	1.14	0/0	59	0/0	4	0.002
23	Metropolitan Riverside County 2	4146								0/0	1.29	0/0	64			
23	Mira Loma	4165	0	0	0	0	0	0.08	0.062	0/0	1.33	0/0	64			
24	Perris Valley	4149	0	2	0	0	1	0.09	0.078							
25	Lake Elsinore	4158	0	1	0	0	0	0.09	0.073	0/0	1.00	0/0	47			
29	Banning Airport	4164	0	2	0	0	0	0.09	0.075			0/0	54			
30	Coachella Valley 1**	4137	0	0	0	0	0	0.08	0.068	0/0	0.17	0/0	39			
30	Coachella Valley 2**	4157	0	0	0	0	0	0.08	0.066							
<b>SANBERNARDINO COUNTY</b>																
32	Northwest San Bernardino Valley	5175	1	2	0	0	1	0.10	0.077	0/0	1.00	0/0	56			
33	Southwest San Bernardino Valley	5817														
34	Central San Bernardino Valley 1	5197	0	1	0	0	1	0.09	0.076	0/0	1.00	0/0	63	0/0	3	0.001
34	Central San Bernardino Valley 2	5203	0	1	0	0	1	0.09	0.080	0/0	1.00	0/0	53			
35	East San Bernardino Valley	5204	1	1	0	0	1	0.10	0.082							
37	Central San Bernardino Mountains	5181	0	2	0	0	1	0.09	0.084							
38	East San Bernardino Mountains	5818														
<b>District Maximum</b>			1	2	0	0	2	0.10	0.084	0/0	2.71	0/0	90	0	7	0.002

\*\* 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)**  
**October 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									
<b>LOS ANGELES COUNTY</b>													
1	Central LA	87	1(20%)	0(0%)	5	62	31	0	28.6	5	0.01	5	4.6
2	Northwest Coastal LA County	91										5	4.6
3	Southwest Coastal LA County	820	1(20%)	0(0%)	5	52				5	0.00	5	4.0
4	South Coastal LA County 1	72	0(0%)	0(0%)	5	50	14	0	16.7	5	0.01	5	6.2
4	South Coastal LA County 2	77	1(20%)	0(0%)	5	78	30	0	18.0	4	0.01	4	8.1
6	West San Fernando Valley	74					9	0	14.0				
7	East San Fernando Valley	69	2(50%)	0(0%)	4	58	24	0	26.7				
8	West San Gabriel Valley	88					11	0	16.4			5	4.0
9	East San Gabriel Valley 1	60	0(0%)	0(0%)	5	48	6	0	16.7			4	4.4
9	East San Gabriel Valley 2	591											
10	Pomona/Walnut Valley	75											
11	South San Gabriel Valley	85					11	0	31.7	5	0.01	5	5.9
12	South Central LA County	112											
13	Santa Clarita Valley	90	0(0%)	0(0%)	4	45							
<b>ORANGE COUNTY</b>													
16	North Orange County	3177											
17	Central Orange County	3176	0(0%)	0(0%)	4	40	24	0	19.9				
18	North Coastal Orange County	3195											
19	Saddleback Valley	3812	0(0%)	0(0%)	4	27	11	0	12.4				
<b>RIVERSIDE COUNTY</b>													
22	Norco/Corona	4155	0(0%)	0(0%)	5	49							
23	Metropolitan Riverside County 1	4144	3(27%)	0(0%)	11	56	26	0	32.9	4	0.00	4	3.1
23	Metropolitan Riverside County 2	4146					11	0	25.8	5	0.01	5	4.4
23	Mira Loma	4165	2(40%)	0(0%)	5	72	14	0	22.6				
24	Perris Valley	4149	2(40%)	0(0%)	5	80							
25	Lake Elsinore	4158											
29	Banning Airport	4164	0(0%)	0(0%)	5	35							
30	Coachella Valley 1**	4137	0(0%)	0(0%)	5	33	11	0	8.3				
30	Coachella Valley 2**	4157	1(9%)	0(0%)	11	53	11	0	9.3				
<b>SANBERNARDINO COUNTY</b>													
32	Northwest San Bernardino Valley	5175								5	0.01	5	4.2
33	Southwest San Bernardino Valley	5817	0(0%)	0(0%)	5	38	11	0	25.9				
34	Central San Bernardino Valley 1	5197	0(0%)	0(0%)	5	49	11	0	25.3			5	5.2
34	Central San Bernardino Valley 2	5203	0(0%)	0(0%)	5	47	10	0	24.6	5	0.01	5	4.7
35	East San Bernardino Valley	5204	0(0%)	0(0%)	5	41							
37	Central San Bernardino Mountains	5181	0(0%)	0(0%)	3	25							
38	East San Bernardino Mountains	5818					5	0	16.3				
<b>District Maximum</b>			3	0		80		0	32.9		0.01		8.1

\*Higher lead concentrations were recorded at special monitoring sites immediately adjacent to the lead sources.

\*\*Salton Sea Air Basin.