

Air Quality Standards Compliance Report (AQSCR)

Statistics for July/August 2008

Vol. 21, No. 4

Published December, 2009

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.

Table 1 summarizes the maximum concentrations recorded and location of the maximum during July-August 2008. Tables 2 and 3 summarize monthly air quality statistics for the South Coast Air Basin and the desert area of Coachella Valley monitoring areas for the months of July and August 2008. 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. Figure 1 shows the location of the District's air monitoring stations in each source/receptor area.

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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Table 1
Maximum Concentrations Reported in July/August 2008
Compared to the Ambient Air Quality Standards

Pollutant Averaging Time	Criteria Pollutants' Air Quality Standards		Maximum Concentrations			
	State	Federal	ppm/ µg/m ³	% State Standard	% Federal Standard	Location
Ozone 1-Hour	> 0.09 ppm	> 0.12 ppm	0.15	158%	120%	Several Locations
8-Hour	> 0.070 ppm	> 0.075 ppm	0.131	175%	154%	Santa Clarita Valley
Particulate (PM2.5) 24-Hour		> 35 µg/m ³	66.0	186%	186%	West San Gabriel Valley
Particulate (PM10) 24-Hour	> 50 µg/m ³		106	208%	70%	Mira Loma
Carbon Monoxide 8-Hour	> 9.0 ppm	> 9 ppm	1.29	14%	14%	West San Gabriel Valley
Nitrogen Dioxide 1-Hour	> 0.18 ppm		0.07	37%		Several Location
Sulfur Dioxide 1-Hour	> 0.25 ppm		0.02	8%		South Coastal LA County, Central
24-Hour	> 0.04 ppm	> 0.14 ppm	0.006	15%	4%	San Bernardino Valley
Sulfates 24-Hour	≥ 25 µg/m ³		18.7	75%		East San Gabriel Valley
Lead* 30-Day	≥ 1.5 µg/m ³		0.02	1%		Central LA, Central San Bernardino Valley

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



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

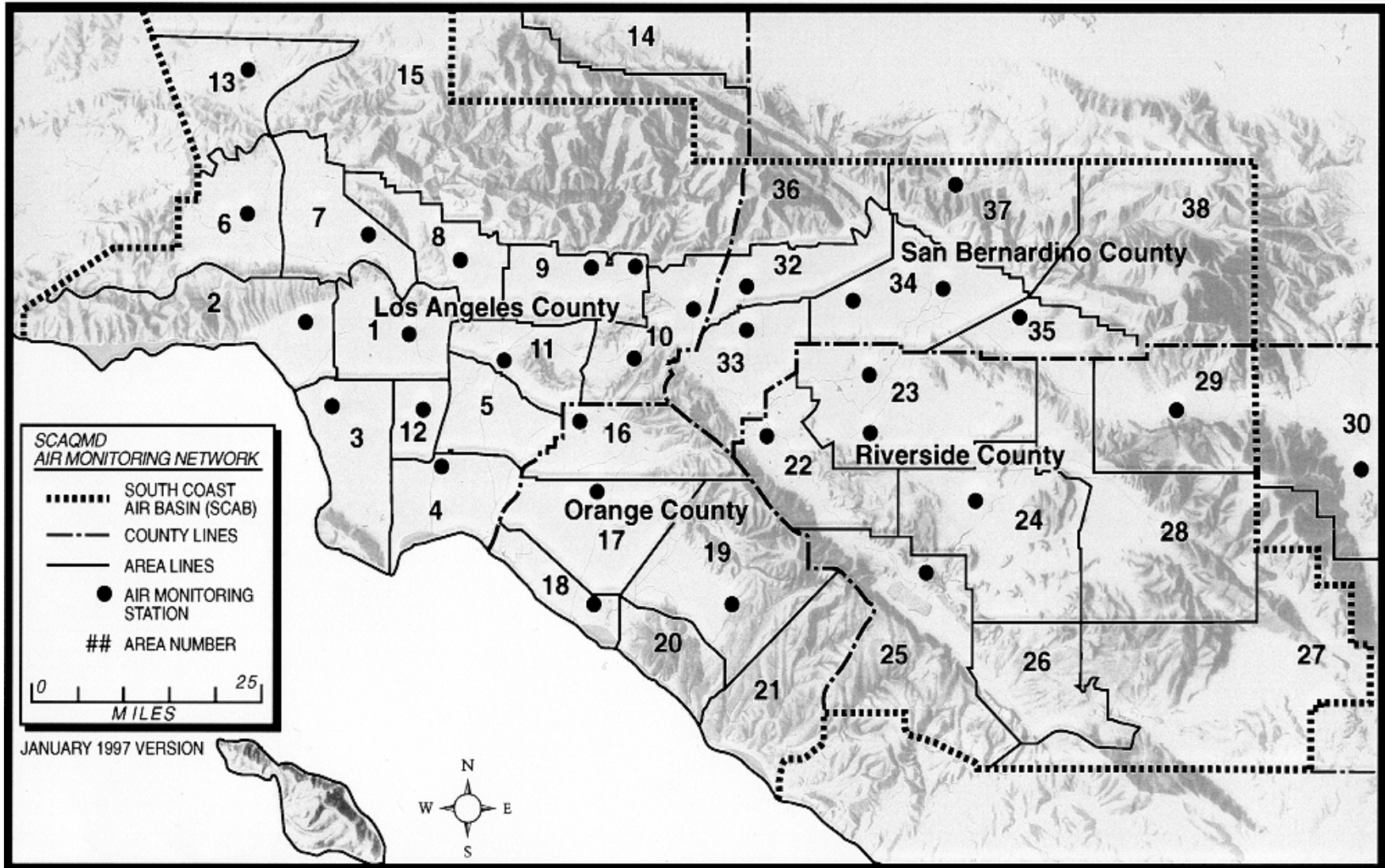


Figure 1
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
Air Basins and Monitoring Stations

**Table 2
July 2008
Exceedances of Standards and Maximum Concentrations**

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide		Sulfur Dioxide		
				No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State Standard ^{c)}	Max 1-hour ppm	Max 24-hour ppm	Max 1-hour ppm	
				State Standard		Health Advisory	Federal Standard		Max 1-hour ppm							Max 8-hour ppm
District Code	State Code	1-hour > 0.09 ppm	8-hour > 0.070 ppm	1-hour ≥ 0.15 ppm	1-hour > 0.124 ppm ^{a)}	8-hour > 0.075 ppm ^{b)}										
LOS ANGELES COUNTY																
1	Central LA	87	70087	0	1	0	0	0	0.09	0.071	0/0	0.93	0	0.06	0.001	0.01
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.08	0.063	0/0	0.67	0	0.07		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.07	0.065	0/0	0.45	0	0.03	0.003	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.08	0.052	0/0	0.51	0	0.04	0.006	0.02
4	South Coastal LA County 2	77	70110													
6	West San Fernando Valley	74	70074	7	12	0	0	9	0.11	0.091	0/0	0.80	0	0.04		
7	East San Fernando Valley	69	70069	4	5	0	0	4	0.11	0.091	0/0	0.76	0	0.06	0.002	0.01
8	West San Gabriel Valley	88	70088	3	5	0	0	4	0.12	0.090	0/0	1.29	0	0.05		
9	East San Gabriel Valley 1	60	70060	5	5	0	1	5	0.13	0.102	0/0	0.96	0	0.05		
9	East San Gabriel Valley 2	591	70591	9	15	1	1	8	0.15	0.113	0/0	0.64	0	0.06		
10	Pomona/Walnut Valley	75	70075	7	8	0	1	6	0.13	0.110	0/0	0.93	0	0.06		
11	South San Gabriel Valley	85	70185	1	3	0	0	0	0.10	0.075	0/0	0.64	0	0.04		
12	South Central LA County	84	70084	0	0	0	0	0	0.07	0.051	0/0	0.73	0	0.05		
13	Santa Clarita Valley	90	70090	19	21	0	3	18	0.14	0.107	0/0	0.66	0	0.04		
ORANGE COUNTY																
16	North Orange County	3177	30177	1	1	0	0	0	0.10	0.075	0/0	0.59	0	0.04		
17	Central Orange County	3176	30178	0	0	0	0	0	0.09	0.070	0/0	0.61	0	0.03		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.06	0.055	0/0	0.41	0	0.02	0.002	0.01
19	Saddleback Valley	3812	30002	1	1	0	0	1	0.11	0.096	0/0	0.31				
RIVERSIDE COUNTY																
22	Norco/Corona	4155	33155													
23	Metropolitan Riverside County 1	4144	33144	15	21	0	1	18	0.13	0.117	0/0	0.54	0	0.04	0.002	0.00
23	Metropolitan Riverside County 2	4146	33146								0/0	0.75	0			
23	Mira Loma	5214	33165	11	18	0	0	13	0.12	0.107	0/0	0.49	0	0.04		
24	Perris Valley	4149	33149	25	26	0	2	24	0.14	0.115						
25	Lake Elsinore	4158	33158	14	22	0	3	17	0.14	0.118	0/0	0.59	0	0.04		
29	Banning Airport	4164	33164	22	27	1	5	23	0.15	0.120			0	0.05		
30	Coachella Valley 1**	4137	33137	7	16	0	0	14	0.11	0.096	0/0	0.39	0	0.04		
30	Coachella Valley 2**	4157	33157	3	9	0	0	7	0.10	0.087						
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	36175	9	15	1	1	9	0.15	0.121	0/0	0.84	0	0.07		
33	Southwest San Bernardino Valley	5817	36025													
34	Central San Bernardino Valley 1	5197	36197	15	21	1	1	14	0.15	0.126	0/0	0.81	0	0.07	0.006	0.02
34	Central San Bernardino Valley 2	5203	36203	18	27	1	1	20	0.15	0.120	0/0	0.57	0	0.06		
35	East San Bernardino Valley	5204	36204	21	26	1	3	24	0.15	0.122						
37	Central San Bernardino Mountains	5181	36181	25	30	1	6	28	0.15	0.126						
38	East San Bernardino Mountains	5818	36001													
District Maximum				25	30	1	6	28	0.15	0.126	0/0	1.29	0	0.07	0.006	0.02

** Salton Sea Air Basin.

a) The federal 1-hour ozone standard was revoked and replaced by the 8-hour average standard effective June 15, 2005. Data provided is for information only.

b) U.S. EPA has revised the 1997 federal 8-hour ozone standard from 0.084 ppm to 0.075 ppm, effective May 27, 2008.

c) California Air Resources Board has revised the NO2 1-hour standard from 0.25 ppm to 0.18 ppm, effective March 20, 2008.

Table 2 (continued)
July 2008
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		PM10				PM2.5			Lead*		Sulfate	
		District No.	State No.	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	70087	0(0%)	0(0%)	2	44	29	2	43.8	5	0.02	5	10.3
2	Northwest Coastal LA County	91	70091										5	10.3
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	41				4	0.00	4	11.1
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	5	42	27	0	24.9	5	0.01	5	10.8
4	South Coastal LA County 2	77	70110	0(0%)	0(0%)	5	46	29	0	24.1	5	0.01	5	13.2
6	West San Fernando Valley	74	70074					9	1	50.5				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	2	38	10	1	57.5				
8	West San Gabriel Valley	88	70088					10	1	66.0			5	14.1
9	East San Gabriel Valley 1	60	70060	2(50%)	0(0%)	4	98	25	0	26.9			5	18.7
9	East San Gabriel Valley 2	591	70591											
10	Pomona/Walnut Valley	75	70075											
11	South San Gabriel Valley	85	70185					9	0	34.1	5	0.01	5	8.8
12	South Central LA County	84	70084					9	0	25.1	5	0.01	5	10.6
13	Santa Clarita Valley	90	70090	1(20%)	0(0%)	5	56							
ORANGE COUNTY														
16	North Orange County	3177	30177											
17	Central Orange County	3176	30178	0(0%)	0(0%)	5	35	29	0	27.1				
18	North Coastal Orange County	3195	30195											
19	Saddleback Valley	3812	30002	0(0%)	0(0%)	2	21	10	0	19.5				
RIVERSIDE COUNTY														
22	Norco/Corona	4155	33155	1(20%)	0(0%)	5	76							
23	Metropolitan Riverside County 1	4144	33144	4(50%)	0(0%)	8	65	29	0	34.0	5	0.01	5	8.2
23	Metropolitan Riverside County 2	4146	33146					8	0	28.2	5	0.01	5	7.1
23	Mira Loma	5214	33165	5(100%)	0(0%)	5	106	8	1	42.1				
24	Perris Valley	4149	33149	2(40%)	0(0%)	5	52							
25	Lake Elsinore	4158	33158											
29	Banning Airport	4164	33164	1(20%)	0(0%)	5	51							
30	Coachella Valley 1**	4137	33137					7	0	18.1				
30	Coachella Valley 2**	4157	33157	4(36%)	0(0%)	11	59	8	0	17.6				
SANBERNARDINO COUNTY														
32	Northwest San Bernardino Valley	5175	36175								5	0.01	5	7.5
33	Southwest San Bernardino Valley	5817	36025	1(20%)	0(0%)	5	90	8	1	54.2				
34	Central San Bernardino Valley 1	5197	36197	2(40%)	0(0%)	5	75	6	1	43.9			5	9.4
34	Central San Bernardino Valley 2	5203	36203	4(80%)	0(0%)	5	70	6	0	20.3	5	0.02	5	7.7
35	East San Bernardino Valley	5204	36204	1(20%)	0(0%)	5	53							
37	Central San Bernardino Mountains	5181	36181											
38	East San Bernardino Mountains	5818	36001					5	0	12.3				
District Maximum				5	0		106		2	66.0		0.02		18.7

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

Table 3
August 2008
Exceedances of Standards and Maximum Concentrations

Source/ Receptor No.	Location	Station Number		Ozone						Carbon Monoxide		Nitrogen Dioxide		Sulfur Dioxide		
				No. Days Exceeding						Days Exceeding State/ Federal Standard	Max 8-hour ppm	Days Exceeding State Standard ^{c)}	Max 1-hour ppm	Max 24-hour ppm	Max 1-hour ppm	
				State Standard		Health Advisory	Federal Standard		Max 1-hour ppm							Max 8-hour ppm
District Code	State Code	1-hour > 0.09 ppm	8-hour > 0.070 ppm	1-hour ≥ 0.15 ppm	1-hour > 0.124 ppm ^{a)}	8-hour > 0.075 ppm ^{b)}										
LOS ANGELES COUNTY																
1	Central LA	87	70087	0	0	0	0	0	0.08	0.070	0/0	0.66	0	0.05	0.001	0.00
2	Northwest Coastal LA County	91	70091	0	0	0	0	0	0.07	0.065	0/0	0.54	0	0.03		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.07	0.063	0/0	0.41	0	0.03	0.001	0.00
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.06	0.051	0/0	0.50	0	0.05	0.004	0.02
4	South Coastal LA County 2	77	70110													
6	West San Fernando Valley	74	70074	6	7	0	0	6	0.12	0.099	0/0	0.63	0	0.04		
7	East San Fernando Valley	69	70069	4	8	0	0	4	0.12	0.092	0/0	0.64	0	0.05	0.002	0.00
8	West San Gabriel Valley	88	70088	2	6	0	0	3	0.10	0.084	0/0	1.07	0	0.06		
9	East San Gabriel Valley 1	60	70060	9	8	0	2	5	0.13	0.093	0/0	0.91	0	0.05		
9	East San Gabriel Valley 2	591	70591	13	12	0	3	11	0.14	0.105	0/0	0.74	0	0.05		
10	Pomona/Walnut Valley	75	70075	9	11	0	0	8	0.12	0.097	0/0	0.99	0	0.07		
11	South San Gabriel Valley	85	70185	0	0	0	0	0	0.09	0.066	0/0	0.61	0	0.04		
12	South Central LA County	84	70084	0	0	0	0	0	0.06	0.047	0/0	0.71	0	0.06		
13	Santa Clarita Valley	90	70090	11	21	1	2	15	0.15	0.131	0/0	0.55	0	0.06		
ORANGE COUNTY																
16	North Orange County	3177	30177	1	1	0	0	0	0.10	0.075	0/0	0.60	0	0.04		
17	Central Orange County	3176	30178	0	0	0	0	0	0.08	0.066	0/0	0.35	0	0.03		
18	North Coastal Orange County	3195	30195	0	0	0	0	0	0.06	0.055	0/0	0.31	0	0.02	0.002	0.01
19	Saddleback Valley	3812	30002	0	1	0	0	1	0.09	0.078	0/0	0.24				
RIVERSIDE COUNTY																
22	Norco/Corona	4155	33155													
23	Metropolitan Riverside County 1	4144	33144	9	16	0	2	11	0.14	0.111	0/0	0.70	0	0.05	0.002	0.00
23	Metropolitan Riverside County 2	4146	33146								0/0	0.65				
23	Mira Loma	5214	33165	8	11	0	1	9	0.13	0.107	0/0	0.37	0	0.04		
24	Perris Valley	4149	33149	17	19	0	2	15	0.13	0.105						
25	Lake Elsinore	4158	33158	15	20	0	2	16	0.13	0.103	0/0	0.47	0	0.04		
29	Banning Airport	4164	33164	12	19	1	3	13	0.15	0.108			0	0.05		
30	Coachella Valley 1**	4137	33137	2	13	0	0	8	0.10	0.096	0/0	0.46	0	0.04		
30	Coachella Valley 2**	4157	33157	1	3	0	0	1	0.11	0.087						
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	36175	13	15	0	1	12	0.13	0.106	0/0	0.84	0	0.05		
33	Southwest San Bernardino Valley	5817	36025													
34	Central San Bernardino Valley 1	5197	36197	13	16	0	1	12	0.13	0.104	0/0	0.74	0	0.06	0.003	0.00
34	Central San Bernardino Valley 2	5203	36203	11	20	0	3	13	0.13	0.112	0/0	0.59	0	0.04		
35	East San Bernardino Valley	5204	36204	14	23	0	3	16	0.14	0.115						
37	Central San Bernardino Mountains	5181	36181	20	28	0	4	23	0.13	0.119						
38	East San Bernardino Mountains	5818	36001													
District Maximum				20	28	1	4	23	0.15	0.131	0/0	1.07	0	0.07	0.004	0.02

** Salton Sea Air Basin.

a) The federal 1-hour ozone standard was revoked and replaced by the 8-hour average standard effective June 15, 2005. Data provided is for information only.

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Table 3 (continued)
August 2008
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Source/ Receptor No.	Location	Station Number		PM10				PM2.5			Lead*		Sulfate	
				No. (%) Days Exceeding		Number Days Sampled	Max 24-hour Average µg/m3	Number 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	State Standard	Federal Standard									Number Days Sampled
LOS ANGELES COUNTY														
1	Central LA	87	70087					30	0	24.1	5	0.02	5	12.2
2	Northwest Coastal LA County	91	70091										5	10.4
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	24				4	0.00	4	10.5
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	5	29	31	0	16.7	5	0.00	5	11.0
4	South Coastal LA County 2	77	70110	0(0%)	0(0%)	5	32	31	0	17.9	5	0.00	5	12.8
6	West San Fernando Valley	74	70074					10	0	20.1				
7	East San Fernando Valley	69	70069	1(20%)	0(0%)	5	52	11	0	21.4				
8	West San Gabriel Valley	88	70088					11	0	19.5			5	8.3
9	East San Gabriel Valley 1	60	70060	2(40%)	0(0%)	5	66	31	0	23.9			5	10.8
9	East San Gabriel Valley 2	591	70591											
10	Pomona/Walnut Valley	75	70075											
11	South San Gabriel Valley	85	70185					11	0	21.2	5	0.01	5	10.1
12	South Central LA County	84	70084					11	0	19.7	5	0.01	4	8.7
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	4	34							
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23	Metropolitan Riverside County 2	4146	33146					11	0	16.1	5	0.01	5	7.0
23	Mira Loma	5214	33165	5(100%)	0(0%)	5	78	10	0	23.9				
24	Perris Valley	4149	33149	1(20%)	0(0%)	5	54							
25	Lake Elsinore	4158	33158											
29	Banning Airport	4164	33164	0(0%)	0(0%)	4	34							
30	Coachella Valley 1**	4137	33137	1(33%)	0(0%)	3	67	11	0	15.7				
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34	Central San Bernardino Valley 1	5197	36197	1(20%)	0(0%)	5	55	10	0	25.3			5	9.5
34	Central San Bernardino Valley 2	5203	36203	1(20%)	0(0%)	5	59	8	0	21.2	5	0.01	5	8.6
35	East San Bernardino Valley	5204	36204	1(20%)	0(0%)	5	57							
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	2	30							
38	East San Bernardino Mountains	5818	36001					5	0	7.8				
District Maximum				6	0		79		0	25.3		0.02		12.8

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