

Air Quality Standards Compliance Report (AQSCR)

Statistics for May/June 2008

Vol. 21, No. 3

Published May, 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 May and June are shown and summarized in the following tables.

Table 1 summarizes the maximum concentrations recorded and location of the maximum during May-June 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 May and June 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 May/June 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	0.18	189%	144%	Central San Bernardino Mountains
8-Hour	> 0.070 ppm	> 0.075 ppm	0.121	161%	142%	Central San Bernardino Mountains
Particulate (PM2.5)						
24-Hour		> 35 µg/m ³	49.0	138%	138%	Central San Bernardino Valley 1
Particulate (PM10)						
24-Hour	> 50 µg/m ³		96	188%	64%	Coachella Vally 2
Carbon Monoxide						
8-Hour	> 9.0 ppm	> 9 ppm	1.29	14%	14%	South Central Los Angeles County
Nitrogen Dioxide						
1-Hour	> 0.18 ppm		0.09	47%		East San Bernardino Valley
Sulfur Dioxide						
1-Hour	> 0.25 ppm		0.07	27%		South Coastal Los Angeles County
24-Hour	> 0.04 ppm	> 0.14 ppm	0.010	24%	7%	South Coastal Los Angeles County
Sulfates*						
24-Hour	>= 25 µg/m ³					
Lead*						
30-Day	>= 1.5 µg/m ³					

* Sulfate and lead data is not available at this time.



South Coast Air Quality Management District
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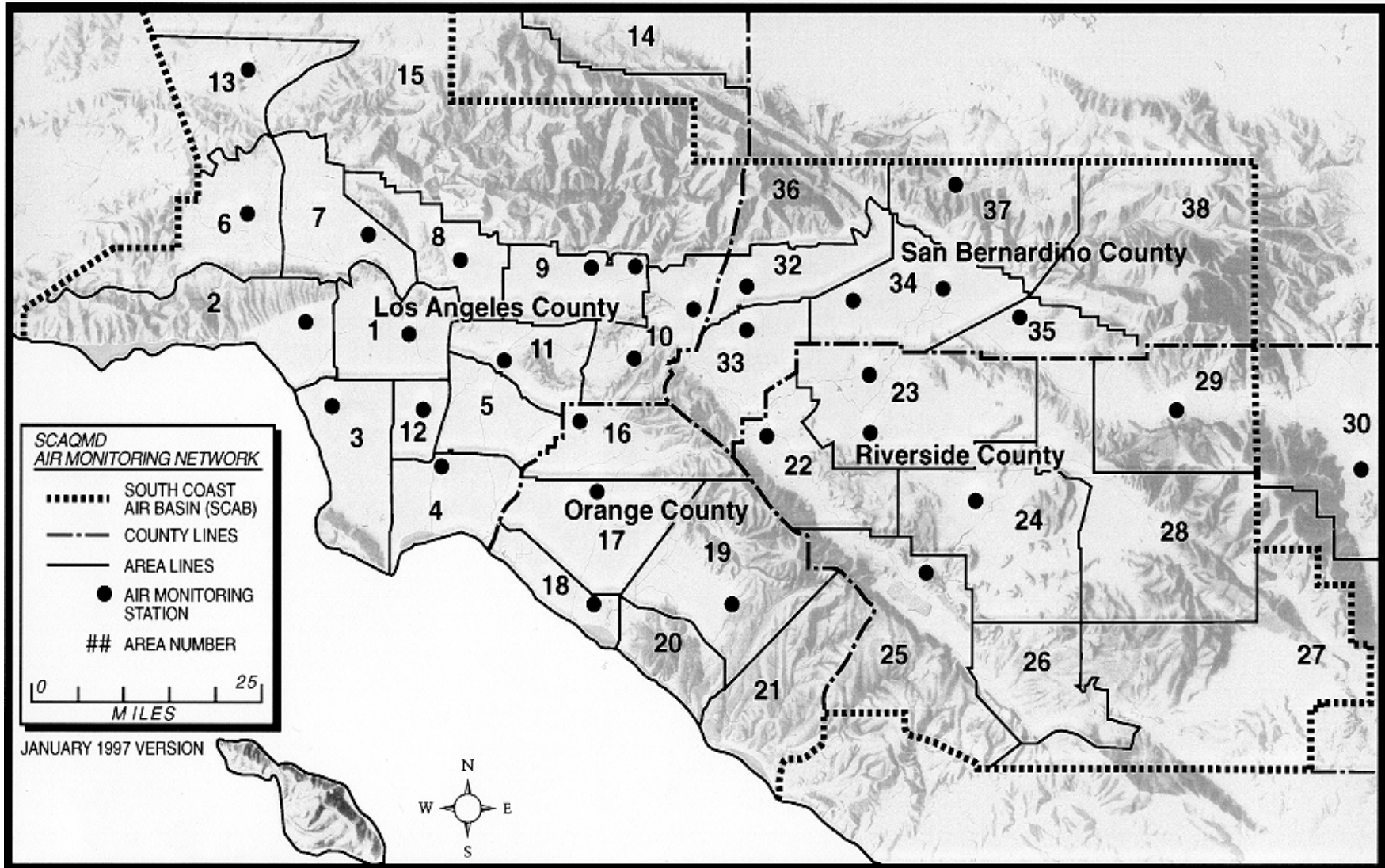


Figure 1
South Coast Air Basin and Adjoining Areas of Salton Sea and Mojave Desert
Air Basins and Monitoring Stations

Table 2
May 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	1	2	0	0	1	0.11	0.091	0/0	0.71	0	0.07	0.001	0.01
2	Northwest Coastal LA County	91	70091	1	2	0	0	1	0.11	0.096	0/0	1.00	0	0.06		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.08	0.066	0/0	0.82	0	0.07	0.003	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.07	0.063	0/0	1.00	0	0.07	0.010	0.07
4	South Coastal LA County 2	77	70110													
6	West San Fernando Valley	74	70074	1	4	0	0	1	0.12	0.103	0/0	1.14	0	0.05		
7	East San Fernando Valley	69	70069	2	4	0	1	2	0.13	0.108	0/0	1.00	0	0.07	0.001	0.00
8	West San Gabriel Valley	88	70088	2	3	0	0	1	0.12	0.100	0/0	1.00	0	0.07		
9	East San Gabriel Valley 1	60	70060	2	3	0	1	2	0.13	0.110	0/0	1.17	0	0.06		
9	East San Gabriel Valley 2	591	70591	4	5	0	1	3	0.13	0.118	0/0	0.88	0	0.06		
10	Pomona/Walnut Valley	75	70075	2	4	0	0	2	0.11	0.093	0/0	1.00	0	0.07		
11	South San Gabriel Valley	85	70185	2	3	0	0	1	0.11	0.093	0/0	1.00	0	0.08		
12	South Central LA County	84	70084	0	0	0	0	0	0.07	0.060	0/0	1.29	0	0.08		
13	Santa Clarita Valley	90	70090	4	8	1	1	3	0.16	0.111	0/0	0.50	0	0.04		
ORANGE COUNTY																
16	North Orange County	3177	30177	1	3	0	0	0	0.10	0.080	0/0	1.00	0	0.07		
17	Central Orange County	3176	30178	0	3	0	0	0	0.09	0.077	0/0	0.71	0	0.06		
18	North Coastal Orange County	3195	30195	0	1	0	0	0	0.08	0.071	0/0	0.29	0	0.04	0.001	0.01
19	Saddleback Valley	3812	30002	0	5	0	0	0	0.09	0.082	0/0	0.43				
RIVERSIDE COUNTY																
22	Norco/Corona	4155	33155													
23	Metropolitan Riverside County 1	4144	33144	3	7	0	0	3	0.12	0.096	0/0	1.14	0	0.06	0.001	0.00
23	Metropolitan Riverside County 2	4146	33146								0/0	1.00				
23	Mira Loma	5214	33165	3	4	0	0	0	0.10	0.083	0/0	0.62	0	0.05		
24	Perris Valley	4149	33149	2	9	0	0	2	0.12	0.096						
25	Lake Elsinore	4158	33158	0	8	0	0	0	0.09	0.082	0/0	0.57	0	0.05		
29	Banning Airport	4164	33164	3	12	0	0	3	0.11	0.095			0	0.07		
30	Coachella Valley 1**	4137	33137	2	5	0	0	1	0.10	0.090	0/0	0.14	0	0.03		
30	Coachella Valley 2**	4157	33157	0	6	0	0	1	0.09	0.087						
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	36175	3	5	0	0	3	0.12	0.103	0/0	1.00	0	0.05		
33	Southwest San Bernardino Valley	5817	36025													
34	Central San Bernardino Valley 1	5197	36197	4	9	0	0	4	0.12	0.100	0/0	1.00	0	0.08	0.001	0.00
34	Central San Bernardino Valley 2	5203	36203	3	7	0	1	4	0.13	0.101	0/0	1.00	0	0.06		
35	East San Bernardino Valley	5204	36204	4	8	0	0	4	0.12	0.101						
37	Central San Bernardino Mountains	5181	36181	4	11	0	1	4	0.14	0.115						
38	East San Bernardino Mountains	5818	36001													
District Maximum				4	12	1	1	4	0.16	0.118	0/0	1.29	0	0.08	0.010	0.07

** 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)
May 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%)	5	36	30	0	20.1				
2	Northwest Coastal LA County	91	70091											
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	36							
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	5	35	22	0	15.9				
4	South Coastal LA County 2	77	70110	0(0%)	0(0%)	4	42	27	0	15.8				
6	West San Fernando Valley	74	70074					10	0	18.5				
7	East San Fernando Valley	69	70069	0(0%)	0(0%)	5	43	10	0	16.4				
8	West San Gabriel Valley	88	70088					10	0	14.3				
9	East San Gabriel Valley 1	60	70060	0(0%)	0(0%)	4	34	30	0	22.6				
9	East San Gabriel Valley 2	591	70591											
10	Pomona/Walnut Valley	75	70075											
11	South San Gabriel Valley	85	70185					7	0	17.0				
12	South Central LA County	84	70084					10	0	16.0				
13	Santa Clarita Valley	90	70090	0(0%)	0(0%)	3	36							
ORANGE COUNTY														
16	North Orange County	3177	30177											
17	Central Orange County	3176	30178	0(0%)	0(0%)	4	23	30	0	24.6				
18	North Coastal Orange County	3195	30195											
19	Saddleback Valley	3812	30002	0(0%)	0(0%)	5	31	10	0	15.5				
RIVERSIDE COUNTY														
22	Norco/Corona	4155	33155	1(20%)	0(0%)	5	53							
23	Metropolitan Riverside County 1	4144	33144	3(30%)	0(0%)	10	62	23	0	31.3				
23	Metropolitan Riverside County 2	4146	33146					9	0	22.2				
23	Mira Loma	5214	33165	2(33%)	0(0%)	6	84	10	0	25.8				
24	Perris Valley	4149	33149	0(0%)	0(0%)	5	47							
25	Lake Elsinore	4158	33158											
29	Banning Airport	4164	33164	0(0%)	0(0%)	5	40							
30	Coachella Valley 1**	4137	33137	1(20%)	0(0%)	5	54	9	0	12.5				
30	Coachella Valley 2**	4157	33157	3(38%)	0(0%)	8	96	8	0	13.6				
SANBERNARDINO COUNTY														
32	Northwest San Bernardino Valley	5175	36175											
33	Southwest San Bernardino Valley	5817	36025	0(0%)	0(0%)	6	43	9	0	19.1				
34	Central San Bernardino Valley 1	5197	36197	0(0%)	0(0%)	5	42	10	0	49.0				
34	Central San Bernardino Valley 2	5203	36203	0(0%)	0(0%)	5	50	10	0	29.2				
35	East San Bernardino Valley	5204	36204	0(0%)	0(0%)	5	39							
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	5	35							
38	East San Bernardino Mountains	5818	36001					5	0	9.0				
District Maximum				3	0		96		0	49.0		0	0	

*Sulfate and lead data is not available at this time.

Table 3
June 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	1	4	0	0	0	0.10	0.082	0/0	1.00	0	0.07	0.001	0.00
2	Northwest Coastal LA County	91	70091	0	2	0	0	0	0.09	0.072	0/0	1.00	0	0.05		
3	Southwest Coastal LA County	820	70111	0	0	0	0	0	0.07	0.063	0/0	0.44	0	0.04	0.003	0.01
4	South Coastal LA County 1	72	70072	0	0	0	0	0	0.09	0.068	0/0	1.00	0	0.07	0.004	0.01
4	South Coastal LA County 2	77	70110													
6	West San Fernando Valley	74	70074	5	12	0	0	4	0.11	0.092	0/0	1.00	0	0.05		
7	East San Fernando Valley	69	70069	5	12	0	0	3	0.12	0.096	0/0	1.00	0	0.09	0.001	0.00
8	West San Gabriel Valley	88	70088	5	9	0	0	3	0.12	0.093	0/0	1.00	0	0.06		
9	East San Gabriel Valley 1	60	70060	11	15	0	2	7	0.13	0.107	0/0	1.00	0	0.06		
9	East San Gabriel Valley 2	591	70591	14	18	2	6	10	0.16	0.118	0/0	1.00	0	0.05		
10	Pomona/Walnut Valley	75	70075	10	16	0	4	9	0.14	0.106	0/0	1.00	0	0.08		
11	South San Gabriel Valley	85	70185	3	5	0	0	0	0.10	0.083	0/0	0.75	0	0.07		
12	South Central LA County	84	70084	0		0	0	0	0.08	0.057	0/0	1.00	0	0.08		
13	Santa Clarita Valley	90	70090	14	19	0	0	11	0.12	0.102	0/0	0.88	0	0.05		
ORANGE COUNTY																
16	North Orange County	3177	30177	3	7	0	0	2	0.10	0.085	0/0	1.00	0	0.05		
17	Central Orange County	3176	30178	1	5	0	0	1	0.11	0.087	0/0	1.00	0	0.05		
18	North Coastal Orange County	3195	30195	0	1	0	0	0	0.08	0.072	0/0	0.43	0	0.04	0.001	0.00
19	Saddleback Valley	3812	30002	4		0	0	3	0.12	0.102	0/0	0.29				
RIVERSIDE COUNTY																
22	Norco/Corona	4155	33155													
23	Metropolitan Riverside County 1	4144	33144	18	27	1	4	14	0.15	0.112	0/0	1.00	0	0.06	0.001	0.00
23	Metropolitan Riverside County 2	4146	33146								0/0	1.00				
23	Mira Loma	5214	33165	10	19	0	3	9	0.14	0.104	0/0	0.72	0	0.06		
24	Perris Valley	4149	33149	13	27	0	0	9	0.12	0.102						
25	Lake Elsinore	4158	33158	13	24	0	1	12	0.14	0.110	0/0	1.00	0	0.05		
29	Banning Airport	4164	33164	16	27	0	2	16	0.14	0.110			0	0.06		
30	Coachella Valley 1**	4137	33137	13	25	0	0	6	0.11	0.100	0/0	0.33	0	0.04		
30	Coachella Valley 2**	4157	33157	7	19	0	0	7	0.12	0.091						
SAN BERNARDINO COUNTY																
32	Northwest San Bernardino Valley	5175	36175	17	21	3	5	12	0.16	0.115	0/0	1.00	0	0.07		
33	Southwest San Bernardino Valley	5817	36025													
34	Central San Bernardino Valley 1	5197	36197	18	24	3	5	11	0.16	0.111	0/0	1.00	0	0.06	0.001	0.01
34	Central San Bernardino Valley 2	5203	36203	21	24	2	5	15	0.16	0.112	0/0	0.71	0	0.07		
35	East San Bernardino Valley	5204	36204	22	27	2	5	16	0.15	0.115						
37	Central San Bernardino Mountains	5181	36181	23	27	2	5	22	0.18	0.121						
38	East San Bernardino Mountains	5818	36001													
District Maximum				23	27	3	6	22	0.18	0.121	0/0	1.00	0	0.09	0.004	0.01

** 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 3 (continued)
June 2008
Exceedances of Standards and Maximum Concentrations

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 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	State Standard	Federal Standard									
LOS ANGELES COUNTY														
1	Central LA	87	70087	0(0%)	0(0%)	5	43	30	0	24.8				
2	Northwest Coastal LA County	91	70091											
3	Southwest Coastal LA County	820	70111	0(0%)	0(0%)	5	42							
4	South Coastal LA County 1	72	70072	0(0%)	0(0%)	5	44	30	0	22.3				
4	South Coastal LA County 2	77	70110	1(20%)	0(0%)	5	52	26	0	19.9				
6	West San Fernando Valley	74	70074					9	0	19.9				
7	East San Fernando Valley	69	70069	1(33%)	0(0%)	3	56	10	0	20.0				
8	West San Gabriel Valley	88	70088					9	0	16.9				
9	East San Gabriel Valley 1	60	70060	1(33%)	0(0%)	3	54	30	0	26.5				
9	East San Gabriel Valley 2	591	70591											
10	Pomona/Walnut Valley	75	70075											
11	South San Gabriel Valley	85	70185					7	0	19.7				
12	South Central LA County	84	70084					10	0	18.8				
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ORANGE COUNTY														
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RIVERSIDE COUNTY														
22	Norco/Corona	4155	33155	0(0%)	0(0%)	5	50							
23	Metropolitan Riverside County 1	4144	33144	8(80%)	0(0%)	10	78	30	0	30.7				
23	Metropolitan Riverside County 2	4146	33146					10	0	23.2				
23	Mira Loma	5214	33165	6(100%)	0(0%)	5	98	9	0	31.1				
24	Perris Valley	4149	33149	2(40%)	0(0%)	5	53							
25	Lake Elsinore	4158	33158											
29	Banning Airport	4164	33164	0(0%)	0(0%)	5	49							
30	Coachella Valley 1**	4137	33137	0(0%)	0(0%)	2	34	5	0	11.4				
30	Coachella Valley 2**	4157	33157	2(20%)	0(0%)	10	57	9	0	21.6				
SANBERNARDINO COUNTY														
32	Northwest San Bernardino Valley	5175	36175											
33	Southwest San Bernardino Valley	5817	36025	2(40%)	0(0%)	5	60	10	0	23.3				
34	Central San Bernardino Valley 1	5197	36197	1(20%)	0(0%)	5	64	10	0	24.9				
34	Central San Bernardino Valley 2	5203	36203	4(80%)	0(0%)	5	70	10	0	25.9				
35	East San Bernardino Valley	5204	36204	1(20%)	0(0%)	5	58							
37	Central San Bernardino Mountains	5181	36181	0(0%)	0(0%)	4	41							
38	East San Bernardino Mountains	5818	36001					5	0	7.6				
District Maximum				8	0		78		0	31.1				

*Sulfate and lead data is not available at this time.