

APPENDIX VIII

2005 Emissions by Major Source Category

Appendix VIII

2005 Emissions by Major Source Category

The 2005 toxic inventory by major source category is contained in a table in this appendix. Toxic gases in alphabetical order are provided first followed the toxic particulates also in alphabetical order. The particulates are estimated total mass from all size fractions.

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Acetalde- hyde	Acetone	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloro- ethane	1,4 dioxane	Ethylene dibromide
Fuel Combustion										
10	Electric Utilities	20.34	18.4	167.59	0.47	0	0	0	0	0
20	Cogeneration	0.59	0	2.17	0	0	0	0	0	0
30	Oil and Gas Production	2.07	0.89	17.41	0.03	0	0	0	0	0
40	Petroleum Refining	1.3	0.11	12.02	0.2	0	0	0	0	0
50	Manufacturing and Industrial	19.43	12.85	114.02	1.04	0	0	0	0	0
52	Food and Agricultural Processing	15.33	15.64	13.87	0.41	0	0	0	0	0
60	Service and Commercial	27.28	22.16	118.62	2.13	0	0	0	0	0
99	Other	17.53	10.23	50.03	12.06	0	0	0	0	0
	Total	103.87	80.29	495.73	16.33	0	0	0	0	0
Waste Disposal										
110	Sewage Treatment	3.89	4.31	11.84	0	1.74	192.44	0	0.76	0.58
120	Landfills	0	0.9	1.91	0	0	0	0.52	0	0
130	Incineration	0	0	80.87	0	0	0	0	0	0
199	Other	0.24	2532.49	0.69	0	0.11	11.91	0	0.05	0.04
	Total	4.13	2537.69	95.31	0	1.85	204.35	0.52	0.81	0.62
Cleaning and Surface Coatings										
210	Laundering	0	0	0	0	0	0	0	0	0
220	Degreasing	0	2544.58	0	0	0	0	0	0	0
230	Coatings and Related Processes	0.01	1139.62	6.67	0	0	0	0	0	0
240	Printing	0	1.41	0	0	0	0	0	0	0
250	Adhesives and Sealants	0	888.04	1.3	0	0	0	0	0	0
299	Other	0	0.01	0	0	0	0	0	0	0
	Total	0.01	4573.67	7.97	0	0	0	0	0	0
Petroleum Production and Marketing										
310	Oil and Gas Production	0	0	48.02	0	0	0	0	0	0
320	Petroleum Refining	0	0	44.18	0	0	0	0	0	0
330	Petroleum Marketing	1.35	0	225.35	0	1.35	1.35	0	0	1.35
399	Other	0	0	0.17	0	0	0	0	0	0
	Total	1.35	0	317.72	0	1.35	1.35	0	0	1.35

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Acetalde- hyde	Acetone	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloro- ethane	1,4 dioxane	Ethylene dibromide
Industrial Processes										
410	Chemical	48.03	69.71	325.92	532.67	7.77	1.06	0	0	0.03
420	Food and Agriculture	0	0	0	0	0	0	0	0	0
430	Mineral Processes	0	0	11.92	0.04	0	0	0	0	0
440	Metal Processes	0.12	0.18	0.98	0.06	0.02	0	0	0	0
450	Wood and Paper	0	0	0	0	0	0	0	0	0
460	Glass and Related Products	0	0	0	0	0	0	0	0	0
470	Electronics	0	0	5.9	0	0	0	0	0	0
499	Other	0.69	1.2	13.62	0.37	0.23	0.16	0	0	0.14
	Total	48.84	71.09	358.34	533.13	8.03	1.23	0	0	0.18
Solvent Evaporation										
510	Consumer Products	0	16846.2	1.3	0	0	0	0	0	0
520	Architectural Coatings & Related Solvent	7.61	1230.45	17.93	0	0	0	0	0.66	0
530	Pesticides/Fertilizers	0	0.28	0	0	0	0	0	0	0
540	Asphalt Paving/Roofing	0	0	4.7	0	0	0	0	0	0
	Total	7.61	18076.93	23.93	0	0	0	0	0.66	0
Miscellaneous Processes										
610	Residential Fuel Combustion	465.1	343.21	216.85	0	0	0	0	0	0
620	Farming Operations	0	3774.38	0	0	0	0	0	0	0
630	Construction and Demolition	0	0	0	0	0	0	0	0	0
640	Paved Road Dust	0	0	0	0	0	0	0	0	0
645	Unpaved Road Dust	0	0	0	0	0	0	0	0	0
650	Fugitive Windblown Dust	0	0	0	0	0	0	0	0	0
660	Fires	0	0	0	0	0	0	0	0	0
670	Waste Burning and Disposal	0	0	0	96.31	0	0	0	0	0
680	Utility Equipment	0	0	0	0	0	0	0	0	0
690	Cooking	0	0	0	0	0	0	0	0	0
699	Other (Miscellaneous Processes)	0	0	0	0	0	0	0	0	0
	Total	465.1	4117.59	216.85	96.31	0	0	0	0	0

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Acetalde- hyde	Acetone	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloro- ethane	1,4 dioxane	Ethylene dibromide
On-Road Motor Vehicles										
710	Light Duty Passenger Auto	889.67	519.31	5427.49	1109.11	0	0	0	0	0
722	Light Duty Trucks 1	250.63	141.34	1172.36	250.41	0	0	0	0	0
723	Light Duty Trucks 2	337.76	201.02	2236.18	463.48	0	0	0	0	0
724	Medium Duty Trucks	214.73	126.2	1295.45	286.67	0	0	0	0	0
732	Light Heavy Duty Gas Trucks 1	104.53	65.68	731.12	158.89	0	0	0	0	0
733	Light Heavy Duty Gas Trucks 2	19.52	12.13	130.64	28.75	0	0	0	0	0
734	Medium Heavy Duty Gas Trucks	53.28	33.69	335.64	82.39	0	0	0	0	0
736	Heavy Heavy Duty Gas Trucks	36.49	22.03	233.06	56.95	0	0	0	0	0
742	Light Heavy Duty Diesel Trucks 1	41.75	42.62	11.36	1.08	0	0	0	0	0
743	Light Heavy Duty Diesel Trucks 2	44.19	45.12	12.03	1.14	0	0	0	0	0
744	Medium Heavy Duty Diesel Truck	226.96	231.71	61.76	5.86	0	0	0	0	0
746	Heavy Heavy Duty Diesel Trucks	2326.69	2375.42	633.14	60.12	0	0	0	0	0
750	Motorcycles	194.22	96.94	809.68	185.25	0	0	0	0	0
760	Diesel Urban Buses	68	69.42	18.5	1.76	0	0	0	0	0
762	Gas Urban Buses	3.84	2.13	26.54	5.97	0	0	0	0	0
770	School Buses	17.69	16.95	16.21	3.15	0	0	0	0	0
776	Other Bus	12.21	10.55	32.69	7.88	0	0	0	0	0
780	Motor Homes	14.83	8.26	60.91	14.24	0	0	0	0	0
	Total	4856.99	4020.52	13244.76	2723.1	0	0	0	0	0
Other Mobile Sources										
810	Aircraft	790.31	4.19	388.71	309.55	0	0	0	0	0
820	Trains	449.99	459.41	122.45	11.63	0	0	0	0	0
830	Ships and Commercial Boats	446.97	456.33	172.53	11.55	0	0	0	0	0
840	Recreational Boats	705.58	363.78	2390.09	566.41	0	0	0	0	0
850	Off-Road Recreational Vehicles	72.9	35.18	277.39	62.22	0	0	0	0	0
860	Off-Road Equipment	5938.72	5649.52	4274.11	785.86	0	0	0	0	0
870	Farm Equipment	217.91	220.66	71.6	8.42	0	0	0	0	0
890	Fuel Storage and Handling	0	0	111.44	0	0	0	0	0	0
895	Truck Stops	0	0	0	0	0	0	0	0	0
	Total	8622.38	7189.07	7808.33	1755.64	0	0	0	0	0
	Total Stationary and Area Sources	630.91	29457.25	1515.85	645.78	11.22	206.93	0.52	1.46	2.15
	Total On-Road Vehicles	4856.99	4020.52	13244.76	2723.1	0	0	0	0	0
	Total Other Mobile	8622.38	7189.07	7808.33	1755.64	0	0	0	0	0
	Total Anthropogenic	14110.29	40666.85	22568.94	5124.52	11.22	206.93	0.52	1.46	2.15

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	Naphthalene	p-Dichlorobenzene	Perchloroethylene
Fuel Combustion										
10	Electric Utilities	0	0	412.13	3.62	0	0	0.21	0	0
20	Cogeneration	0	0	15.95	0	0	0	0	0	0
30	Oil and Gas Production	0	0	59.6	0.18	0	0	0.01	0	0
40	Petroleum Refining	0	0	275.68	0.01	0	0	0.03	0	0
50	Manufacturing and Industrial	0	0	383.56	2.5	0	0	0.26	0	0
52	Food and Agricultural Processing	0	0	49.97	3.08	0	0	0.18	0	0
60	Service and Commercial	0	0	339.12	4.33	0	0	0.53	0	0
99	Other	0	0	53.22	1.56	0	0	1.95	0	0
	Total	0	0	1589.23	15.27	0	0	3.18	0	0
Waste Disposal										
110	Sewage Treatment	1.06	0.33	20.77	0	295.71	0	0	29.28	240.93
120	Landfills	0.08	0	44.93	1.12	2.69	0	0	0	1.37
130	Incineration	0	0	0.62	0	0	0	0	0	0
199	Other	0.07	0	1.25	0	18.3	0	0	1.81	14.91
	Total	1.21	0.33	67.58	1.12	316.7	0	0	31.1	257.21
Cleaning and Surface Coatings										
210	Laundering	0	0	0	0	0	0	0	0	4681.6
220	Degreasing	0	0	0	1030.23	5283.64	0	24.86	0	664.31
230	Coatings and Related Processes	0.01	0	0.01	2581.7	8.35	0	6.67	0.01	160.5
240	Printing	0	0	0	617.33	0	0	16.57	0	1.41
250	Adhesives and Sealants	0	0	0	746.72	23.85	0	0	0	0
299	Other	0	13.97	0	0	0	0	0	0	0
	Total	0.01	13.97	0.01	4976	5315.85	0	48.09	0.01	5507.82
Petroleum Production and Marketing										
310	Oil and Gas Production	0	0	2.79	0	0	0	0	0	0
320	Petroleum Refining	0	0	164.76	0	0	0	0.01	0	0
330	Petroleum Marketing	0	0	1.35	0	0	1.35	5.17	0	0
399	Other	0	0	0	0	0	0	0	0	0
	Total	0	0	168.9	0	0	1.35	5.18	0	0

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	Naphthalene	p-Dichlorobenzene	Perchloroethylene
Industrial Processes										
410	Chemical	65.03	1.81	1.18	54.25	0	88.05	0.22	83.09	0
420	Food and Agriculture	0	0	0	0	0	0	0	0	0
430	Mineral Processes	0	0	14.15	0	0	0	4.28	0	0
440	Metal Processes	0.16	0	0.17	0.12	0	0	0.01	0.21	0
450	Wood and Paper	0	0	0	0	0	0	0	0	0
460	Glass and Related Products	0	0	0	0	0	0	0	0	0
470	Electronics	0	0	0.12	0	0	0	0.01	0	0
499	Other	0.74	0.02	2.2	0.73	0	0.14	0.05	0.95	0
	Total	65.93	1.83	17.83	55.1	0	88.2	4.58	84.25	0
Solvent Evaporation										
510	Consumer Products	0	52.57	8.97	2047.58	7969.87	0	387.65	5553.91	4854.28
520	Architectural Coatings & Related Solvent	0	0	1.74	615.95	270.94	0	57.88	0	6.43
530	Pesticides/Fertilizers	0	0	0	0	0	0	0.02	0	0
540	Asphalt Paving/Roofing	0	0	0	0	0	0	78.16	0	0
	Total	0	52.57	10.71	2663.53	8240.81	0	523.7	5553.91	4860.71
Miscellaneous Processes										
610	Residential Fuel Combustion	0	0	936.54	0	0	0	0	0	0
620	Farming Operations	0	0	0	0	0	0	0	0	0
630	Construction and Demolition	0	0	0	0	0	0	0	0	0
640	Paved Road Dust	0	0	0	0	0	0	0	0	0
645	Unpaved Road Dust	0	0	0	0	0	0	0	0	0
650	Fugitive Windblown Dust	0	0	0	0	0	0	0	0	0
660	Fires	0	0	0	0	0	0	0	0	0
670	Waste Burning and Disposal	0	0	0	0	0	0	0	0	0
680	Utility Equipment	0	0	0	0	0	0	0	0	0
690	Cooking	0	0	0	0	0	0	0	0	0
699	Other (Miscellaneous Processes)	0	0	0	0	0	0	0	0	0
	Total	0	0	936.54	0	0	0	0	0	0

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	Naphthalene	p-Dichlorobenzene	Perchloroethylene
On-Road Motor Vehicles										
710	Light Duty Passenger Auto	0	0	2965.32	81.89	0	0	253.03	0	0
722	Light Duty Trucks 1	0	0	791.73	22.09	0	0	53.14	0	0
723	Light Duty Trucks 2	0	0	1196.68	30.74	0	0	96.71	0	0
724	Medium Duty Trucks	0	0	749.7	19.37	0	0	49.36	0	0
732	Light Heavy Duty Gas Trucks 1	0	0	361.51	11.17	0	0	30.32	0	0
733	Light Heavy Duty Gas Trucks 2	0	0	64.52	2.27	0	0	5.45	0	0
734	Medium Heavy Duty Gas Trucks	0	0	166.64	8.33	0	0	10.37	0	0
736	Heavy Heavy Duty Gas Trucks	0	0	134.34	4.59	0	0	5.82	0	0
742	Light Heavy Duty Diesel Trucks 1	0	0	83.54	8.39	0	0	0.48	0	0
743	Light Heavy Duty Diesel Trucks 2	0	0	88.43	8.88	0	0	0.51	0	0
744	Medium Heavy Duty Diesel Truck	0	0	454.16	45.59	0	0	2.62	0	0
746	Heavy Heavy Duty Diesel Trucks	0	0	4655.91	467.33	0	0	26.9	0	0
750	Motorcycles	0	0	611.28	14.48	0	0	33.7	0	0
760	Diesel Urban Buses	0	0	136.08	13.66	0	0	0.79	0	0
762	Gas Urban Buses	0	0	17.5	0.27	0	0	0.66	0	0
770	School Buses	0	0	39.2	3.27	0	0	0.57	0	0
776	Other Bus	0	0	29.76	2.13	0	0	1.05	0	0
780	Motor Homes	0	0	50.34	1.17	0	0	1.96	0	0
	Total	0	0	12596.64	745.6	0	0	573.43	0	0
Other Mobile Sources										
810	Aircraft	0	0	2541.17	1.17	0	4.35	97.2	0	0
820	Trains	0	0	900.47	90.38	0	0	5.2	0	0
830	Ships and Commercial Boats	0	0	896.79	89.78	0	0	6.81	0	0
840	Recreational Boats	0	0	2125.73	50.08	0	0	90.76	0	0
850	Off-Road Recreational Vehicles	0	0	224.44	4.56	0	0	9.93	0	0
860	Off-Road Equipment	0	0	12760.68	1086.68	0	0	163.93	0	0
870	Farm Equipment	0	0	439.69	43.3	0	0	2.94	0	0
890	Fuel Storage and Handling	0	0	0	0	0	0	0	0	0
895	Truck Stops	0	0	0	0	0	0	0	0	0
	Total	0	0	19888.96	1365.95	0	4.35	376.77	0	0
	Total Stationary and Area Sources	67.15	68.7	2790.8	7711.03	13873.36	89.55	584.72	5669.27	10625.74
	Total On-Road Vehicles	0	0	12596.64	745.6	0	0	573.43	0	0
	Total Other Mobile	0	0	19888.96	1365.95	0	4.35	376.77	0	0
	Total Anthropogenic	67.15	68.7	35276.4	9822.58	13873.36	93.9	1534.93	5669.27	10625.74

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Propylene oxide	Styrene	Toluene	Trichloro- ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate
Fuel Combustion										
10	Electric Utilities	0	0.14	88.12	0	0	0	0.01	0.09	164.77
20	Cogeneration	0	0	7.82	0	0	0	0	0.06	0
30	Oil and Gas Production	0	0.01	8.33	0	0	1.07	0.12	1.24	15.01
40	Petroleum Refining	0	0.03	6.71	0	0	0	1.44	15.95	0
50	Manufacturing and Industrial	0	0.21	61.15	0	0	0.02	0.29	3.3	111.5
52	Food and Agricultural Processing	0	0.12	10.39	0	0	0	0.03	0.2	166.81
60	Service and Commercial	0	0.41	64.89	0	0	0.02	0.03	0.29	166.76
99	Other	0	1.94	104.16	0	0	0	0.07	0.43	482.95
	Total	0	2.86	351.57	0	0	1.12	1.97	21.56	1107.81
Waste Disposal										
110	Sewage Treatment	0.1	0.75	251.27	29.62	1.29	0	0	0	0
120	Landfills	0	0	33.64	0.81	1.01	0	0	0.11	0
130	Incineration	0	0	0	0	0	0	0	0	0
199	Other	0	0.03	78.96	1.83	0.08	0.26	0.02	0.26	0
	Total	0.1	0.78	363.88	32.27	2.38	0.26	0.03	0.37	0
Cleaning and Surface Coatings										
210	Laundering	0	0	0	4.68	0	0	0	0	0
220	Degreasing	0	1.96	596.15	538.55	0	0	0	0	0
230	Coatings and Related Processes	0	0.52	13047.96	33.54	0.01	0	0	0	0
240	Printing	0	0	24.23	0	0	0	0	0	0
250	Adhesives and Sealants	0	0	228.72	0	0	0	0	0	0
299	Other	0	0	70.67	0	0	0	0	0	0
	Total	0	2.48	13967.73	576.78	0.01	0	0	0	0
Petroleum Production and Marketing										
310	Oil and Gas Production	0	0	28.58	0	0	0	0	0	0
320	Petroleum Refining	0	0	278.48	0	0	0.9	0	0	0
330	Petroleum Marketing	1.35	0	1074.7	0	0	0	0	0	0
399	Other	0	0	0.3	0	0	0	0	0	0
	Total	1.35	0	1382.07	0	0	0.9	0	0	0

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Propylene oxide	Styrene	Toluene	Trichloro- ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate
Industrial Processes										
410	Chemical	0.55	1329.04	1142.24	0	48.15	0	0.35	0.13	0
420	Food and Agriculture	0	0	69.35	0	0	0.02	0	0.45	0
430	Mineral Processes	0	0.04	6.66	0	0	13.37	1.07	26.59	0
440	Metal Processes	0	0.36	5.63	0	0.1	0.5	0.5	19.98	0
450	Wood and Paper	0	0	0	0	0	0	0.04	0.06	0
460	Glass and Related Products	0	0	3.44	0	0	10.55	0	2.9	0
470	Electronics	0	0.03	13.25	0	0	0	0.01	0.01	0
499	Other	0.15	1.33	994.72	0	0.47	0	0.02	0.07	0
	Total	0.7	1330.81	2235.27	0	48.73	24.44	1.98	50.19	0
Solvent Evaporation										
510	Consumer Products	0.16	11.6	8901.95	611.09	0	0	0	0	0
520	Architectural Coatings & Related Solvent	0	60.44	1796.44	0	0	0	0	0	0
530	Pesticides/Fertilizers	0	0	0.33	0	0	0	0	0	0
540	Asphalt Paving/Roofing	0	0	11.16	0	0	0	0	0	0
	Total	0.16	72.04	10709.87	611.09	0	0	0	0	0
Miscellaneous Processes										
610	Residential Fuel Combustion	0	0	255.18	0	0	0.13	0.06	0.09	0
620	Farming Operations	0	0	0	0	0	0.05	0.06	0.65	0
630	Construction and Demolition	0	0	0	0	0	3.15	3.9	41.56	0
640	Paved Road Dust	0	0	0	0	0	7.06	1.63	9.23	0
645	Unpaved Road Dust	0	0	0	0	0	0.62	0.53	0.7	0
650	Fugitive Windblown Dust	0	0	0	0	0	0.15	0.21	2.16	0
660	Fires	0	0	55.11	0	0	0	0.02	0.01	0
670	Waste Burning and Disposal	0	0	0.75	0	0	0.24	0.03	0.01	0
680	Utility Equipment	0	0	0	0	0	0	0	0	0
690	Cooking	0	0	432.25	0	0	0	0	0	0
699	Other (Miscellaneous Processes)	0	0	0	0	0	0	0	0	0
	Total	0	0	743.28	0	0	11.4	6.44	54.4	0

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Propylene oxide	Styrene	Toluene	Trichloro- ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel particulate
On-Road Motor Vehicles										
710	Light Duty Passenger Auto	0	282.9	16501.81	0	0	0.06	0.01	9.48	222.2
722	Light Duty Trucks 1	0	52.35	3212.17	0	0	0.01	0.01	1.48	158.01
723	Light Duty Trucks 2	0	124	6728.93	0	0	0.03	0	5.72	44.2
724	Medium Duty Trucks	0	75.2	3685.78	0	0	0.01	0	2.61	23
732	Light Heavy Duty Gas Trucks 1	0	46.14	2264.76	0	0	0	0	0.34	0
733	Light Heavy Duty Gas Trucks 2	0	7.97	407.34	0	0	0	0	0.07	0
734	Medium Heavy Duty Gas Trucks	0	20.05	1020.57	0	0	0	0	0.05	0
736	Heavy Heavy Duty Gas Trucks	0	13.3	630.27	0	0	0	0	0.06	0
742	Light Heavy Duty Diesel Trucks 1	0	0.33	14.78	0	0	0	0.01	0.07	158.6
743	Light Heavy Duty Diesel Trucks 2	0	0.35	15.64	0	0	0	0.01	0.04	150.6
744	Medium Heavy Duty Diesel Truck	0	1.79	80.34	0	0	0.02	0.23	0.22	3479.6
746	Heavy Heavy Duty Diesel Trucks	0	18.35	823.57	0	0	0.07	1.15	0.71	17112.57
750	Motorcycles	0	31.56	1970.19	0	0	0	0	0.18	0
760	Diesel Urban Buses	0	0.54	24.07	0	0	0	0.03	0.02	399
762	Gas Urban Buses	0	1.33	63.26	0	0	0	0	0.01	0
770	School Buses	0	0.69	34.77	0	0	0	0.02	0.01	265.8
776	Other Bus	0	2.23	95.73	0	0	0	0.01	0.02	113.8
780	Motor Homes	0	2.63	133.96	0	0	0	0	0.04	37.2
	Total	0	681.71	37707.93	0	0	0.2	1.49	21.13	22164.56
Other Mobile Sources										
810	Aircraft	0	71.62	216.79	0	0	3.85	0.36	4.37	0
820	Trains	0	3.55	159.28	0	0	0.01	0.13	0.02	1884.39
830	Ships and Commercial Boats	0	3.53	208.87	0	0	0.04	0.72	0.11	10814.4
840	Recreational Boats	0	90.6	5146.49	0	0	0	0	2.65	42.8
850	Off-Road Recreational Vehicles	0	9.93	643.03	0	0	0	0	0.06	0
860	Off-Road Equipment	0	144.93	8328.8	0	0	0.09	1.57	2.04	23441.8
870	Farm Equipment	0	2.15	107.68	0	0	0	0.06	0.02	934.37
890	Fuel Storage and Handling	0	0	558.2	0	0	0	0	0	0
895	Truck Stops	0	0	0	0	0	0	0	0	0
	Total	0	326.31	15369.16	0	0	3.99	2.85	9.27	37117.77
	Total Stationary and Area Sources	2.3	1408.97	29753.67	1220.14	51.12	38.12	10.42	126.51	1107.81
	Total On-Road Vehicles	0	681.71	37707.93	0	0	0.2	1.49	21.13	22164.56
	Total Other Mobile	0	326.31	15369.16	0	0	3.99	2.85	9.27	37117.77
	Total Anthropogenic	2.3	2416.99	82830.76	1220.14	51.12	42.31	14.75	156.91	60390.14

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Elemental carbon	Hexavalent chromium	Lead	Nickel	Organic carbon	Selenium	Silicon
Fuel Combustion								
10	Electric Utilities	984.84	0	0.01	0.09	128.52	0.01	0.68
20	Cogeneration	25.9	0	0	0.06	0	0	0
30	Oil and Gas Production	49.82	0	1.13	0.27	10.32	0.25	0.04
40	Petroleum Refining	432.9	0	1.44	15.95	0	15.8	0
50	Manufacturing and Industrial	828.32	0	0.3	3.28	76.61	3.06	0.32
52	Food and Agricultural Processing	97.98	0	0.02	0.2	114.61	0.2	0.48
60	Service and Commercial	1313.32	0	0.04	0.27	114.58	0.14	0.48
99	Other	137.68	0	0.05	0.43	331.84	0.4	1.39
	Total	3870.75	0	2.99	20.55	776.49	19.85	3.38
Waste Disposal								
110	Sewage Treatment	2.8	0	0	0	0	0	0
120	Landfills	303.13	0	0.13	0.06	72.13	0	0
130	Incineration	77.55	0	0	10.68	0	0	10.68
199	Other	7.47	0	0.27	0.03	0.13	0.02	0.55
	Total	390.95	0	0.4	10.77	72.26	0.02	11.22
Cleaning and Surface Coatings								
210	Laundering	0	0	0	0	0	0	0
220	Degreasing	0.09	0	0	0	0	0	0
230	Coatings and Related Processes	696.49	0	0	0	0	0	0
240	Printing	0	0	0	0	0	0	0
250	Adhesives and Sealants	0	0	0	0	0	0	0
299	Other	103.88	0	0	0	0	0	0
	Total	800.46	0	0	0	0	0	0
Petroleum Production and Marketing								
310	Oil and Gas Production	3.74	0	0	0	0	0	0
320	Petroleum Refining	128.19	0	0.9	0.9	0	0	176.9
330	Petroleum Marketing	29.71	0	0	0	0	0	0
399	Other	0.14	0	0	0	0	0	0
	Total	161.78	0	0.9	0.9	0	0	176.9

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Elemental carbon	Hexavalent chromium	Lead	Nickel	Organic carbon	Selenium	Silicon
Industrial Processes								
410	Chemical	162.36	0	0.14	0.39	38.22	0	2.85
420	Food and Agriculture	281.77	0	0	0.26	0	0	152.31
430	Mineral Processes	558.44	0	1.07	8.96	15.3	1.94	3313.62
440	Metal Processes	225.58	0.2	5.6	5.53	76.11	0	0
450	Wood and Paper	57.98	0	0.09	0.09	106.24	0	0.75
460	Glass and Related Products	60.14	0	2.9	0.3	0	20.05	26.88
470	Electronics	1.24	0	0.02	0.01	4.39	0	1.3
499	Other	238.1	0	0.23	0.13	43.24	0.07	25.61
	Total	1585.61	0.21	10.06	15.67	283.5	22.07	3523.32
Solvent Evaporation								
510	Consumer Products	0	0	0	0	0	0	0
520	Architectural Coatings & Related Solvent	0	0	0	0	0	0	0
530	Pesticides/Fertilizers	0	0	0	0	0	0	0
540	Asphalt Paving/Roofing	24.82	0	0	0	0	0	0
	Total	24.82	0	0	0	0	0	0
Miscellaneous Processes								
610	Residential Fuel Combustion	4865.58	0	0.24	0.01	6901.64	0.02	0.21
620	Farming Operations	13.68	0	0.19	0.15	83.47	0.01	584.53
630	Construction and Demolition	857.82	0	103.33	10.95	8154.27	0.37	35286.99
640	Paved Road Dust	4190.52	0	67.33	6.52	32437.15	1.09	164880.42
645	Unpaved Road Dust	47.82	0	5.34	1.52	1383.84	0.12	13345.41
650	Fugitive Windblown Dust	31.62	0	3.37	0.53	274.09	0.02	1870.85
660	Fires	219.29	0	0.05	0	215.66	0	37.27
670	Waste Burning and Disposal	2227.61	0	0.46	0.01	5818.64	0.03	15.7
680	Utility Equipment	0	0	0	0	0	0	0
690	Cooking	0	0	0	0	13961.3	0	0
699	Other (Miscellaneous Processes)	0	0	0	0	0	0	0
	Total	12453.94	0	180.31	19.68	69230.07	1.66	216021.38

Table VIII-1. 2005 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Elemental carbon	Hexavalent chromium	Lead	Nickel	Organic carbon	Selenium	Silicon
On-Road Motor Vehicles								
710	Light Duty Passenger Auto	2048.2	0	0.84	6.55	2383.4	0.18	381.67
722	Light Duty Trucks 1	352.94	0	0.13	1.02	452.28	0.03	59.16
723	Light Duty Trucks 2	1466.12	0	0.39	4.37	1066.53	0.08	177.07
724	Medium Duty Trucks	654.07	0	0.18	1.97	505.68	0.04	83.75
732	Light Heavy Duty Gas Trucks 1	85.56	0	0.04	0.24	110.68	0.01	13.91
733	Light Heavy Duty Gas Trucks 2	16.89	0	0.01	0.05	22.63	0	2.85
734	Medium Heavy Duty Gas Trucks	14.36	0	0.01	0.04	16.16	0	2.03
736	Heavy Heavy Duty Gas Trucks	9.56	0	0	0.04	11.26	0	2.56
742	Light Heavy Duty Diesel Trucks 1	53.07	0	0.02	0.04	138.01	0	4.1
743	Light Heavy Duty Diesel Trucks 2	46.61	0	0.01	0.03	122.11	0	2.78
744	Medium Heavy Duty Diesel Truck	930.11	0.01	0.13	0.16	2474.5	0.02	20.49
746	Heavy Heavy Duty Diesel Trucks	4531.81	0.05	0.62	0.59	12062.58	0.11	79.41
750	Motorcycles	60.53	0	0	0.16	12.65	0	2.13
760	Diesel Urban Buses	104.74	0	0.01	0.02	279.41	0	2.04
762	Gas Urban Buses	2.35	0	0	0.01	2.43	0	0.29
770	School Buses	70.78	0	0.01	0.01	187.44	0	1.37
776	Other Bus	33.07	0	0.01	0.01	85.13	0	1.21
780	Motor Homes	17.4	0	0.01	0.02	39.8	0	1.87
	Total	10498.17	0.07	2.43	15.32	19972.68	0.49	838.69
Other Mobile Sources								
810	Aircraft	320.42	0	3.99	0.89	0	0.36	0
820	Trains	484.54	0.01	0.06	0.03	1294.78	0.01	5.41
830	Ships and Commercial Boats	2792.28	0.03	0.32	0.17	7430.67	0.05	32.61
840	Recreational Boats	1068.96	0	0	2.65	29.41	0	0.12
850	Off-Road Recreational Vehicles	24.96	0	0	0.06	0	0	0
860	Off-Road Equipment	6750.75	0.07	0.7	2.18	16107.07	0.12	67.25
870	Farm Equipment	243.65	0	0.03	0.02	642.01	0	2.68
890	Fuel Storage and Handling	0	0	0	0	0	0	0
895	Truck Stops	0	0	0	0	0	0	0
	Total	11685.57	0.11	5.1	6.01	25503.94	0.55	108.08
	Total Stationary and Area Sources	19288.3	0.21	194.66	67.57	70362.32	43.6	219736.2
	Total On-Road Vehicles	10498.17	0.07	2.43	15.32	19972.68	0.49	838.69
	Total Other Mobile	11685.57	0.11	5.1	6.01	25503.94	0.55	108.08
	Total Anthropogenic	41472.04	0.39	202.19	88.9	115838.94	44.64	220682.97