

APPENDIX VIII

MATES IV

FINAL REPORT

2012 Emissions by Major Source Category

Authors

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Appendix VIII

2012 Emissions by Major Source Category

The 2012 toxic inventory by major source category is contained in a table in this appendix. Toxic gases are provided first, in alphabetical order, followed by the toxic particulates, also in alphabetical order. The particulates are estimated total mass from all size fractions.

Table VIII-1. 2012 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Acetaldehyde	Acetone	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloroethane	1,4 dioxane	Ethylene dibromide
Fuel Combustion										
10	Electric Utilities	21.82	19.99	91.08	0.51	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.18	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	1.89	1.58	25.39	0.04	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	1.85	0.07	12.80	0.12	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	23.28	11.95	174.17	0.40	0.00	0.00	0.00	0.00	0.00
52	Food and Agricultural Processing	0.62	0.57	8.22	0.03	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	26.13	23.24	720.80	1.11	0.00	0.00	0.00	0.00	0.00
99	Other (Fuel Combustion)	35.19	35.18	17.62	3.95	0.00	0.00	0.00	0.00	0.00
	Total	110.96	92.58	1050.76	6.16	0.00	0.00	0.00	0.00	0.00
Waste Disposal										
110	Sewage Treatment	0.24	0.26	1.52	0.00	0.11	11.72	0.00	0.05	0.04
120	Landfills	0.00	114.60	244.08	0.00	0.12	0.83	65.52	0.00	0.00
130	Incineration	0.00	0.00	59.87	0.00	0.00	0.00	0.00	0.00	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	72.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.24	187.08	305.47	0.00	0.23	12.56	65.52	0.05	0.04
Cleaning and Surface Coatings										
210	Laundrying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	2981.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	941.43	1.80	0.00	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	0.00	999.62	1.46	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	4923.39	3.26	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	31.65	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	46.54	0.00	0.00	0.00	0.00	0.00	0.00
330	Petroleum Marketing	0.03	0.00	211.16	0.00	0.03	0.03	0.00	0.00	0.03
399	Other (Petroleum Production and Marketing)	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.03	0.00	289.70	0.00	0.03	0.03	0.00	0.00	0.03

Table VIII-1. 2012 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Acetaldehyde	Acetone	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloroethane	1,4 dioxane	Ethylene dibromide
Industrial Processes										
410	Chemical	34.88	47.04	240.40	428.03	5.63	0.75	0.00	0.00	0.00
420	Food and Agriculture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	0.04	0.06	13.70	0.02	0.01	0.00	0.00	0.00	0.00
440	Metal Processes	0.36	0.54	3.13	0.18	0.06	0.01	0.00	0.00	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
460	Glass and Related Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	4.36	259.11	58.23	1.60	0.74	0.14	0.00	0.00	0.05
	Total	39.64	306.75	315.47	429.83	6.43	0.90	0.00	0.00	0.05
Solvent Evaporation										
510	Consumer Products	0.00	11441.16	2.18	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	7.57	1674.86	18.29	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	0.00	0.00	4.02	0.00	0.00	0.00	0.00	0.00	0.00
	Total	7.57	13116.16	24.48	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	1328.39	980.24	229.10	0.00	0.00	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	1342.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
660	Fires	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
670	Waste Burning and Disposal	0.00	0.00	0.00	106.36	0.00	0.00	0.00	0.00	0.00
690	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1328.39	2323.05	229.10	106.36	0.00	0.00	0.00	0.00	0.00

Table VIII-1. 2012 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	Acetaldehyde	Acetone	Benzene	1,3 Butadiene	Carbon tetrachloride	Chloroform	1,1 Dichloroethane	1,4 dioxane	Ethylene dibromide
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	282.65	169.56	1973.24	368.37	0.00	0.00	0.00	0.00	0.00
722	Light Duty Trucks 1 (T1)	70.59	41.14	529.74	93.70	0.00	0.00	0.00	0.00	0.00
723	Light Duty Trucks 2 (T2)	111.42	65.52	797.25	148.61	0.00	0.00	0.00	0.00	0.00
724	Medium Duty Trucks (T3)	124.55	73.75	810.35	166.38	0.00	0.00	0.00	0.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	50.82	31.11	314.79	68.66	0.00	0.00	0.00	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	5.39	3.32	33.80	7.30	0.00	0.00	0.00	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	12.97	8.14	74.63	17.59	0.00	0.00	0.00	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	2.67	1.58	15.18	3.59	0.00	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	101.57	103.70	27.64	2.62	0.00	0.00	0.00	0.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	33.92	34.63	9.23	0.88	0.00	0.00	0.00	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	224.41	229.11	61.07	5.80	0.00	0.00	0.00	0.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	821.62	838.83	223.59	21.23	0.00	0.00	0.00	0.00	0.00
750	Motorcycles (MCY)	60.92	33.40	365.88	80.25	0.00	0.00	0.00	0.00	0.00
760	Diesel Urban Buses (UB)	92.50	94.44	25.17	2.39	0.00	0.00	0.00	0.00	0.00
762	Gas Urban Buses (UB)	3.46	1.85	20.10	4.58	0.00	0.00	0.00	0.00	0.00
771	Gas School Buses (SB)	0.96	0.53	5.64	1.27	0.00	0.00	0.00	0.00	0.00
772	Diesel School Buses (SB)	20.44	20.87	5.56	0.53	0.00	0.00	0.00	0.00	0.00
777	Gas Other Buses (OB)	3.59	2.30	19.77	4.89	0.00	0.00	0.00	0.00	0.00
779	Diesel Other Buses (OB)	37.06	37.84	10.09	0.96	0.00	0.00	0.00	0.00	0.00
780	Motor Homes (MH)	5.40	4.44	13.60	2.93	0.00	0.00	0.00	0.00	0.00
	Total	2066.93	1796.06	5336.32	1002.51	0.00	0.00	0.00	0.00	0.00
Other Mobile Sources										
810	Aircraft	272.81	24.42	122.44	109.86	0.00	0.00	0.00	0.00	0.00
820	Trains	305.03	311.42	83.01	7.88	0.00	0.00	0.00	0.00	0.00
833	Ocean Going Vessels	138.48	141.38	37.68	3.58	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	82.31	84.03	22.40	2.13	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	472.63	253.97	1567.46	363.59	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	32.38	15.63	150.06	27.64	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	1640.64	1371.10	2392.51	508.26	0.00	0.00	0.00	0.00	0.00
870	Farm Equipment	138.85	140.35	47.36	5.76	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	0.00	0.00	54.20	0.00	0.00	0.00	0.00	0.00	0.00
	Total	3083.14	2342.30	4477.12	1028.69	0.00	0.00	0.00	0.00	0.00
Total	Stationary	1486.84	20949.02	2218.24	542.34	6.69	13.49	65.52	0.05	0.11
Total	On-Road Vehicles	2066.93	1796.06	5336.32	1002.51	0.00	0.00	0.00	0.00	0.00
Total	Other Mobile	3083.14	2342.30	4477.12	1028.69	0.00	0.00	0.00	0.00	0.00
Total	Anthropogenic	6636.90	25087.38	12031.67	2573.54	6.69	13.49	65.52	0.05	0.11

Table VIII-1. 2012 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	0.00	0.00	259.45	3.93	0.00	0.00	0.23	0.00	0.00
20	Cogeneration	0.00	0.00	4.91	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	60.69	0.31	0.00	0.00	0.02	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	284.39	0.01	0.00	0.00	0.02	0.00	0.00
50	Manufacturing and Industrial	0.00	0.00	1287.79	2.35	0.00	0.00	0.15	0.00	0.00
52	Food and Agricultural Processing	0.00	0.00	18.13	0.11	0.00	0.00	0.01	0.00	0.00
60	Service and Commercial	0.00	0.00	1548.25	4.55	0.00	0.00	0.34	0.00	0.00
99	Other (Fuel Combustion)	0.00	0.00	88.62	6.92	0.00	0.00	0.47	0.00	0.00
	Total	0.00	0.00	3552.22	18.19	0.00	0.00	1.24	0.00	0.00
Waste Disposal										
110	Sewage Treatment	0.06	0.05	1.25	0.00	18.02	0.00	0.00	1.78	14.68
120	Landfills	11.44	0.00	98.41	143.90	341.88	0.00	0.00	0.00	174.16
130	Incineration	0.00	0.00	1.89	0.00	0.00	0.00	0.00	0.00	0.00
140	Soil Remediation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	11.50	0.05	101.55	143.90	359.90	0.00	0.00	1.78	188.84
Cleaning and Surface Coatings										
210	Laundrying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2246.76
220	Degreasing	0.00	0.00	0.00	1112.36	5681.30	0.00	32.89	0.00	813.25
230	Coatings and Related Processes	0.00	0.00	0.00	2148.61	6.81	0.00	5.60	0.00	136.44
240	Printing	0.00	0.00	0.00	382.44	0.00	0.00	3.55	0.00	1.32
250	Adhesives and Sealants	0.00	0.00	0.00	840.54	26.75	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	3.38	0.00	0.00	0.00	0.00	0.00	0.00	0.18
	Total	0.00	3.38	0.00	4483.95	5714.86	0.00	42.05	0.00	3197.96
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	9.93	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	621.16	0.00	0.00	0.00	0.12	0.00	0.00
330	Petroleum Marketing	0.00	0.00	0.03	0.00	0.00	0.03	3.44	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	631.12	0.00	0.00	0.03	3.55	0.00	0.00

Table VIII-1. 2012 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
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	0.00	0.00	951.40	26.48	0.00	0.00	104.38	0.00	0.00
722	Light Duty Trucks 1 (T1)	0.00	0.00	246.10	6.22	0.00	0.00	29.85	0.00	0.00
723	Light Duty Trucks 2 (T2)	0.00	0.00	380.69	10.08	0.00	0.00	42.65	0.00	0.00
724	Medium Duty Trucks (T3)	0.00	0.00	418.27	11.50	0.00	0.00	37.72	0.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	0.00	158.75	5.11	0.00	0.00	14.50	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	0.00	16.70	0.55	0.00	0.00	1.60	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.00	0.00	38.17	1.39	0.00	0.00	3.09	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.00	8.98	0.25	0.00	0.00	0.53	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.00	0.00	203.25	20.40	0.00	0.00	1.17	0.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.00	0.00	67.87	6.81	0.00	0.00	0.39	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	0.00	0.00	449.07	45.08	0.00	0.00	2.59	0.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.00	0.00	1644.14	165.04	0.00	0.00	9.50	0.00	0.00
750	Motorcycles (MCY)	0.00	0.00	233.38	4.55	0.00	0.00	12.36	0.00	0.00
760	Diesel Urban Buses (UB)	0.00	0.00	185.10	18.58	0.00	0.00	1.07	0.00	0.00
762	Gas Urban Buses (UB)	0.00	0.00	13.88	0.24	0.00	0.00	0.59	0.00	0.00
771	Gas School Buses (SB)	0.00	0.00	3.65	0.07	0.00	0.00	0.19	0.00	0.00
772	Diesel School Buses (SB)	0.00	0.00	40.90	4.11	0.00	0.00	0.24	0.00	0.00
777	Gas Other Buses (OB)	0.00	0.00	9.98	0.40	0.00	0.00	0.78	0.00	0.00
779	Diesel Other Buses (OB)	0.00	0.00	74.16	7.44	0.00	0.00	0.43	0.00	0.00
780	Motor Homes (MH)	0.00	0.00	15.36	0.79	0.00	0.00	0.40	0.00	0.00
	Total	0.00	0.00	5159.81	335.11	0.00	0.00	264.03	0.00	0.00
Other Mobile Sources										
810	Aircraft	0.00	0.00	783.16	0.30	0.00	1.11	34.76	0.00	0.00
820	Trains	0.00	0.00	610.39	61.27	0.00	0.00	3.53	0.00	0.00
833	Ocean Going Vessels	0.00	0.00	277.11	27.82	0.00	0.00	1.60	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	164.71	16.53	0.00	0.00	0.95	0.00	0.00
840	Recreational Boats	0.00	0.00	1403.36	36.19	0.00	0.00	58.41	0.00	0.00
850	Off-Road Recreational Vehicles	0.00	0.00	99.71	2.02	0.00	0.00	4.41	0.00	0.00
860	Off-Road Equipment	0.00	0.00	3910.93	251.50	0.00	0.00	89.16	0.00	0.00
870	Farm Equipment	0.00	0.00	280.68	27.53	0.00	0.00	1.93	0.00	0.00
890	Fuel Storage and Handling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	7530.04	423.16	0.00	1.11	194.75	0.00	0.00
Total	Stationary	65.15	4.92	6195.97	6296.38	9900.51	0.08	237.11	3015.48	6670.38
Total	On-Road Vehicles	0.00	0.00	5159.81	335.11	0.00	0.00	264.03	0.00	0.00
Total	Other Mobile	0.00	0.00	7530.04	423.16	0.00	1.11	194.75	0.00	0.00
Total	Anthropogenic	65.15	4.92	18885.82	7054.65	9900.51	1.18	695.89	3015.48	6670.38

Table VIII-1. 2012 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 PM (DPM)
Fuel Combustion										
10	Electric Utilities	0.00	0.15	49.82	0.00	0.00	0.04	0.00	0.51	8.32
20	Cogeneration	0.00	0.00	3.91	0.00	0.00	0.00	0.00	0.04	0.00
30	Oil and Gas Production (combustion)	0.00	0.01	12.64	0.00	0.00	0.13	0.01	0.21	25.02
40	Petroleum Refining (Combustion)	0.00	0.02	6.31	0.00	0.00	0.00	1.13	12.78	0.00
50	Manufacturing and Industrial	0.00	0.11	104.94	0.00	0.00	0.62	0.17	2.10	115.78
52	Food and Agricultural Processing	0.00	0.01	4.20	0.00	0.00	0.01	0.02	0.19	3.13
60	Service and Commercial	0.00	0.26	356.85	0.00	0.00	1.23	0.15	1.94	231.19
99	Other (Fuel Combustion)	0.00	0.27	14.07	0.00	0.00	0.18	0.04	0.48	108.98
	Total	0.00	0.83	552.75	0.00	0.00	2.22	1.53	18.25	492.42
Waste Disposal										
110	Sewage Treatment	0.01	0.07	8.37	1.80	0.08	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	4279.85	104.35	129.13	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
140	Soil Remediation	0.00	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	395.52	0.00	0.00	0.02	0.02	0.25	0.00
	Total	0.01	0.07	4684.79	106.16	129.21	0.03	0.03	0.27	0.00
Cleaning and Surface Coatings										
210	Laundrying	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	2.61	737.85	675.38	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	0.42	11065.26	81.41	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	5.60	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	0.00	0.00	257.45	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	0.00	79.11	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	3.03	12145.29	756.92	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	17.46	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	97.99	0.00	0.00	2.32	0.00	0.00	0.00
330	Petroleum Marketing	0.03	0.00	2926.10	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.03	0.00	3042.25	0.00	0.00	2.32	0.00	0.00	0.00

Table VIII-1. 2012 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 PM (DPM)
Industrial Processes										
410	Chemical	0.38	1210.62	733.53	0.00	33.26	0.00	0.42	0.08	0.00
420	Food and Agriculture	0.00	0.00	12.11	0.00	0.00	0.00	0.00	0.07	0.00
430	Mineral Processes	0.00	0.11	4.78	0.00	0.03	10.38	2.78	8.78	0.00
440	Metal Processes	0.00	1.15	14.79	0.00	0.31	0.21	0.42	7.30	0.00
450	Wood and Paper	0.00	0.00	0.14	0.00	0.00	0.00	0.01	0.02	0.00
460	Glass and Related Products	0.00	0.00	1.44	0.00	0.00	3.20	0.00	0.88	0.00
470	Electronics	0.00	0.00	0.07	0.00	0.00	0.00	0.01	0.01	0.00
499	Other (Industrial Processes)	0.09	11.19	422.78	12.34	3.73	0.78	0.22	0.09	0.00
	Total	0.46	1223.07	1189.63	12.34	37.33	14.57	3.84	17.24	0.00
Solvent Evaporation										
510	Consumer Products	0.22	6.71	6690.65	746.06	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	1.08	144.69	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	0.00	0.00	9.55	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.22	7.79	6845.05	746.06	0.00	0.00	0.00	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	0.00	533.69	0.00	0.00	0.13	0.05	1.66	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.54	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	1.18	1.46	15.56	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	2.67	0.62	3.49	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.30	0.26	0.34	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.12	0.16	1.63	0.00
660	Fires	0.00	0.00	55.11	0.00	0.00	0.00	0.02	0.01	0.00
670	Waste Burning and Disposal	0.00	0.00	1.08	0.00	0.00	0.24	0.02	0.01	0.00
690	Cooking	0.00	0.00	404.01	0.00	0.00	0.04	0.04	0.29	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	993.96	0.00	0.00	4.70	2.67	23.51	0.00

Table VIII-1. 2012 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 PM (DPM)
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	0.00	99.67	6339.51	0.00	0.00	0.18	0.06	20.30	79.64
722	Light Duty Trucks 1 (T1)	0.00	24.56	1728.45	0.00	0.00	0.02	0.01	2.48	4.03
723	Light Duty Trucks 2 (T2)	0.00	39.97	2559.18	0.00	0.00	0.06	0.02	7.06	4.08
724	Medium Duty Trucks (T3)	0.00	45.59	2477.88	0.00	0.00	0.05	0.02	5.62	6.10
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	20.33	976.78	0.00	0.00	0.01	0.00	1.20	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	2.18	106.20	0.00	0.00	0.00	0.00	0.13	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.00	5.49	229.41	0.00	0.00	0.00	0.00	0.10	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.99	41.87	0.00	0.00	0.00	0.00	0.02	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.00	0.80	20.35	0.00	0.00	0.01	0.02	0.75	300.77
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.00	0.27	6.79	0.00	0.00	0.00	0.01	0.30	108.12
744	Medium Heavy Duty Diesel Truck (T6)	0.00	1.77	44.96	0.00	0.00	0.02	0.03	1.59	2174.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.00	6.48	164.59	0.00	0.00	0.05	0.09	1.89	7120.00
750	Motorcycles (MCY)	0.00	18.41	943.84	0.00	0.00	0.00	0.00	0.16	0.00
760	Diesel Urban Buses (UB)	0.00	0.73	18.53	0.00	0.00	0.02	0.03	1.73	470.00
762	Gas Urban Buses (UB)	0.00	0.99	47.64	0.00	0.00	0.00	0.00	0.02	0.00
771	Gas School Buses (SB)	0.00	0.30	14.37	0.00	0.00	0.00	0.00	0.00	0.00
772	Diesel School Buses (SB)	0.00	0.16	4.09	0.00	0.00	0.00	0.00	0.35	142.00
777	Gas Other Buses (OB)	0.00	1.59	61.25	0.00	0.00	0.00	0.00	0.03	0.00
779	Diesel Other Buses (OB)	0.00	0.29	7.42	0.00	0.00	0.00	0.01	0.15	338.00
780	Motor Homes (MH)	0.00	0.61	30.44	0.00	0.00	0.00	0.00	0.10	52.00
	Total	0.00	271.17	15823.57	0.00	0.00	0.43	0.30	44.01	10798.74
Other Mobile Sources										
810	Aircraft	0.00	20.75	72.06	0.00	0.00	0.00	0.00	0.53	0.00
820	Trains	0.00	2.41	61.11	0.00	0.00	0.00	0.08	0.01	1226.42
833	Ocean Going Vessels	0.00	1.09	27.74	0.00	0.00	0.00	0.00	0.00	1043.46
835	Commercial Harbor Crafts	0.00	0.65	16.49	0.00	0.00	0.00	0.02	0.01	519.39
840	Recreational Boats	0.00	58.23	3425.27	0.00	0.00	0.00	0.00	1.57	31.09
850	Off-Road Recreational Vehicles	0.00	4.41	409.43	0.00	0.00	0.00	0.00	0.02	0.00
860	Off-Road Equipment	0.00	85.20	4913.11	0.00	0.00	0.01	0.17	1.55	5739.73
870	Farm Equipment	0.00	1.43	51.63	0.00	0.00	0.00	0.02	0.02	620.77
890	Fuel Storage and Handling	0.00	0.00	256.23	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	174.18	9233.07	0.00	0.00	0.01	0.28	3.71	9180.86
Total	Stationary	0.73	1234.79	29453.72	1621.47	166.54	23.85	8.07	59.26	492.42
Total	On-Road Vehicles	0.00	271.17	15823.57	0.00	0.00	0.43	0.30	44.01	10798.74
Total	Other Mobile	0.00	174.18	9233.07	0.00	0.00	0.01	0.28	3.71	9180.86
Total	Anthropogenic	0.73	1680.14	54510.36	1621.47	166.54	24.29	8.65	106.98	20472.02

Table VIII-1. 2012 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	DPM2.5	Elemental carbon (EC)	EC2.5	Hexavalent chromium	Lead	Nickel	Organic carbon	Selenium	Silicon
Fuel Combustion										
10	Electric Utilities	8.04	670.83	668.97	0.03	0.05	0.47	4.05	0.00	0.05
20	Cogeneration	0.00	15.18	15.06	0.00	0.00	0.04	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	24.19	51.17	50.84	0.01	0.14	0.09	0.00	0.03	0.00
40	Petroleum Refining (Combustion)	0.00	453.57	441.44	0.02	1.13	12.78	0.00	12.46	0.00
50	Manufacturing and Industrial	111.98	947.71	945.20	0.04	0.75	1.54	0.00	1.29	0.00
52	Food and Agricultural Processing	2.86	42.01	41.83	0.00	0.02	0.18	0.00	0.18	0.01
60	Service and Commercial	223.50	1049.04	1046.51	0.08	1.31	0.82	0.00	0.50	0.00
99	Other (Fuel Combustion)	73.02	84.23	60.78	0.02	0.19	2.46	18.06	0.04	0.18
	Total	443.60	3313.74	3270.63	0.20	3.60	18.38	22.11	14.50	0.24
Waste Disposal										
110	Sewage Treatment	0.00	7.73	7.73	0.00	0.05	0.00	0.00	0.00	0.00
120	Landfills	0.00	130.10	130.10	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.00	32.81	32.80	0.00	0.01	13.46	0.00	0.00	13.46
140	Soil Remediation	0.00	3.29	3.04	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	5.20	0.34	0.00	0.63	0.07	49.38	0.00	213.67
	Total	0.00	179.12	174.01	0.00	0.69	13.53	49.38	0.00	227.13
Cleaning and Surface Coatings										
210	Laundrying	0.00	0.43	0.29	0.00	0.00	0.00	1.21	0.00	0.00
220	Degreasing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	1744.98	1614.22	0.00	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	11.65	10.78	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	1757.06	1625.29	0.00	0.00	0.00	1.21	0.00	0.00
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	7.10	7.10	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	235.08	240.79	0.00	2.32	2.32	0.00	0.00	456.10
330	Petroleum Marketing	0.00	0.23	0.21	0.00	0.00	0.00	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.00	0.52	0.48	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	242.93	248.58	0.00	2.32	2.32	0.00	0.00	456.10

Table VIII-1. 2012 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	DPM2.5	Elemental carbon (EC)	EC2.5	Hexavalent chromium	Lead	Nickel	Organic carbon	Selenium	Silicon
Industrial Processes										
410	Chemical	0.00	11.66	8.60	0.01	0.09	0.47	25.16	0.00	24.81
420	Food and Agriculture	0.00	108.84	1.08	0.00	0.00	0.04	0.00	0.00	72.65
430	Mineral Processes	0.00	317.04	169.52	0.10	12.01	12.28	20.52	3.39	5425.22
440	Metal Processes	0.00	77.69	47.05	0.07	10.14	2.06	15.79	0.01	0.56
450	Wood and Paper	0.00	16.37	5.37	0.00	0.02	0.03	41.48	0.00	0.30
460	Glass and Related Products	0.00	18.24	18.48	0.04	0.88	0.08	0.00	6.08	0.00
470	Electronics	0.00	0.30	0.10	0.00	0.09	0.01	1.22	0.00	0.79
499	Other (Industrial Processes)	0.00	77.82	57.87	0.00	1.19	0.09	38.44	0.01	28.24
	Total	0.00	627.96	308.07	0.23	24.42	15.04	142.62	9.48	5552.57
Solvent Evaporation										
510	Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	0.00	21.10	19.51	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	21.10	19.51	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	2755.99	2022.78	0.00	0.22	2.83	8712.53	1.93	8.97
620	Farming Operations	0.00	23.88	6.13	0.00	0.15	0.13	511.02	0.01	442.49
630	Construction and Demolition	0.00	321.13	21.02	0.00	38.68	4.10	3052.59	0.14	13209.84
640	Paved Road Dust	0.00	1582.39	109.19	0.00	25.42	2.46	12248.67	0.41	62260.91
645	Unpaved Road Dust	0.00	22.96	1.35	0.00	2.56	0.73	664.29	0.06	6406.25
650	Fugitive Windblown Dust	0.00	24.27	1.40	0.00	2.49	0.40	207.54	0.01	1417.80
660	Fires	0.00	219.29	193.06	0.00	0.05	0.00	215.66	0.00	37.27
670	Waste Burning and Disposal	0.00	2222.73	1847.17	0.00	0.46	0.00	5821.75	0.03	14.32
690	Cooking	0.00	1079.86	1079.86	0.00	2.90	0.67	13750.72	0.00	53.43
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	8252.50	5281.97	0.00	72.94	11.33	45184.79	2.60	83851.27

Table VIII-1. 2012 Emissions (lbs/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	DPM2.5	Elemental carbon (EC)	EC2.5	Hexavalent chromium	Lead	Nickel	Organic carbon	Selenium	Silicon
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	73.27	1573.00	710.97	1.01	2.31	11.48	4137.66	0.40	1154.01
722	Light Duty Trucks 1 (T1)	3.71	236.08	129.29	0.12	0.41	1.43	585.39	0.05	141.83
723	Light Duty Trucks 2 (T2)	3.76	540.74	241.64	0.35	0.81	3.99	1422.99	0.14	401.12
724	Medium Duty Trucks (T3)	5.61	432.40	193.95	0.28	0.64	3.18	1136.59	0.11	319.22
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	88.20	37.11	0.06	0.12	0.68	234.40	0.02	68.25
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	8.89	3.54	0.01	0.01	0.07	23.87	0.00	7.12
734	Medium Heavy Duty Gas Trucks (T6)	0.00	8.52	3.67	0.01	0.01	0.06	21.62	0.00	5.81
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.87	0.29	0.00	0.00	0.01	2.69	0.00	1.11
742	Light Heavy Duty Diesel Trucks 1 (T4)	276.71	114.70	85.25	0.04	0.06	0.42	318.53	0.02	43.24
743	Light Heavy Duty Diesel Trucks 2 (T5)	99.47	41.78	30.90	0.02	0.02	0.17	116.96	0.01	17.26
744	Medium Heavy Duty Diesel Truck (T6)	2000.08	1256.45	1125.29	0.08	0.08	0.82	722.83	0.03	83.08
746	Heavy Heavy Duty Diesel Trucks (HHD)	6550.40	4077.28	3648.16	0.09	0.17	0.88	2206.05	0.04	84.16
750	Motorcycles (MCY)	0.00	11.09	3.97	0.01	0.01	0.09	30.32	0.00	9.30
760	Diesel Urban Buses (UB)	432.40	161.10	130.76	0.09	0.09	0.96	482.77	0.03	99.19
762	Gas Urban Buses (UB)	0.00	1.33	0.71	0.00	0.00	0.01	3.61	0.00	1.17
771	Gas School Buses (SB)	0.00	0.05	0.02	0.00	0.00	0.00	0.22	0.00	0.14
772	Diesel School Buses (SB)	135.04	92.60	83.71	0.02	0.02	0.19	68.25	0.01	20.03
777	Gas Other Buses (OB)	0.00	1.57	0.51	0.00	0.00	0.02	4.72	0.00	1.81
779	Diesel Other Buses (OB)	321.44	207.59	194.21	0.01	0.01	0.08	103.31	0.01	9.14
780	Motor Homes (MH)	47.84	19.15	14.78	0.01	0.01	0.06	52.42	0.00	6.04
	Total	9949.72	8873.40	6638.74	2.18	4.80	24.61	11675.20	0.87	2473.02
Other Mobile Sources										
810	Aircraft	0.00	312.32	163.70	0.29	0.71	1.08	800.43	0.00	13.69
820	Trains	1128.20	315.35	298.25	0.00	0.04	0.02	842.68	0.01	3.52
833	Ocean Going Vessels	990.23	63.65	60.40	0.00	0.00	0.00	571.81	0.00	0.00
835	Commercial Harbor Crafts	480.19	332.47	307.38	0.00	0.00	0.00	118.99	0.00	1.17
840	Recreational Boats	28.56	574.89	527.19	0.08	4.19	4.18	2155.07	0.00	56.87
850	Off-Road Recreational Vehicles	0.00	8.73	5.93	0.00	0.07	0.07	33.80	0.00	0.89
860	Off-Road Equipment	5275.28	4203.95	3865.38	0.09	3.71	3.81	3190.02	0.05	62.55
870	Farm Equipment	570.72	400.09	367.79	0.00	0.03	0.03	152.77	0.00	1.68
890	Fuel Storage and Handling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	8473.19	6211.46	5596.02	0.47	8.74	9.18	7865.58	0.06	140.38
Total	Stationary	443.60	14394.40	10928.05	0.43	103.98	60.61	45400.11	26.59	90087.31
Total	On-Road Vehicles	9949.72	8873.40	6638.74	2.18	4.80	24.61	11675.20	0.87	2473.02
Total	Other Mobile	8473.19	6211.46	5596.02	0.47	8.74	9.18	7865.58	0.06	140.38
Total	Anthropogenic	18866.52	29479.26	23162.82	3.09	117.52	94.39	64940.89	27.52	92700.72

Table VIII-2. 2012 Criteria Emissions (tons/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5
Fuel Combustion									
10	Electric Utilities	4.90	0.90	8.77	0.20	0.28	0.96	0.95	0.95
20	Cogeneration	0.33	0.04	0.31	0.01	0.01	0.05	0.04	0.04
30	Oil and Gas Production (combustion)	0.88	0.10	0.54	0.61	0.01	0.10	0.10	0.10
40	Petroleum Refining (Combustion)	4.42	1.28	5.06	0.00	0.00	1.62	1.56	1.54
50	Manufacturing and Industrial	25.60	5.59	17.11	13.53	0.45	1.24	1.23	1.22
52	Food and Agricultural Processing	0.18	0.05	0.99	0.12	0.00	0.06	0.06	0.06
60	Service and Commercial	14.23	4.41	16.40	10.14	0.87	1.36	1.35	1.35
99	Other (Fuel Combustion)	1.54	0.34	3.02	3.78	0.22	0.36	0.28	0.20
	Total	52.08	12.71	52.20	28.39	1.85	5.73	5.58	5.46
Waste Disposal									
110	Sewage Treatment	0.09	0.05	0.01	0.01	0.00	0.01	0.01	0.01
120	Landfills	595.86	8.44	0.48	0.49	0.30	0.13	0.13	0.13
130	Incineration	0.39	0.07	0.36	0.90	0.07	0.17	0.07	0.06
140	Soil Remediation	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	4.23	3.50	0.01	0.00	0.03	0.56	0.27	0.03
	Total	600.58	12.06	0.87	1.40	0.41	0.87	0.49	0.23
Cleaning and Surface Coatings									
210	Laundering	1.25	0.13	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	50.36	9.73	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	20.68	19.78	0.01	0.01	0.00	1.59	1.52	1.47
240	Printing	1.73	1.73	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	4.02	3.50	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.52	0.52	0.04	0.04	0.00	0.01	0.01	0.01
	Total	78.57	35.39	0.04	0.04	0.00	1.60	1.54	1.48
Petroleum Production and Marketing									
310	Oil and Gas Production	2.38	1.35	0.06	0.08	0.00	0.01	0.01	0.01
320	Petroleum Refining	6.14	4.11	4.98	0.19	0.56	2.84	1.82	1.58
330	Petroleum Marketing	117.92	34.67	0.00	0.01	0.01	0.00	0.00	0.00
399	Other (Petroleum Production and Marke	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
	Total	126.46	40.13	5.05	0.28	0.57	2.85	1.83	1.59

Table VIII-2. 2012 Criteria Emissions (tons/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5
Industrial Processes									
410	Chemical	7.67	6.24	0.16	0.00	0.00	0.65	0.50	0.42
420	Food and Agriculture	1.44	1.42	0.00	0.00	0.00	0.44	0.22	0.10
430	Mineral Processes	0.44	0.39	0.83	0.03	0.01	8.41	5.54	3.03
440	Metal Processes	0.15	0.12	0.19	0.03	0.01	0.54	0.37	0.24
450	Wood and Paper	0.13	0.13	0.00	0.00	0.00	5.56	3.88	2.34
460	Glass and Related Products	0.01	0.01	0.00	0.00	0.00	0.11	0.10	0.09
470	Electronics	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.01
499	Other (Industrial Processes)	6.27	5.63	0.23	0.03	0.00	1.22	0.84	0.52
	Total	16.12	13.94	1.42	0.08	0.03	16.94	11.46	6.74
Solvent Evaporation									
510	Consumer Products	103.58	84.43	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solv	20.34	18.83	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00
540	Asphalt Paving/Roofing	0.78	0.71	0.00	0.00	0.00	0.02	0.02	0.02
	Total	125.72	104.99	0.00	0.00	0.00	0.02	0.02	0.02
Miscellaneous Processes									
610	Residential Fuel Combustion	19.78	8.63	48.54	20.20	0.49	7.77	7.39	7.19
620	Farming Operations	33.57	2.69	0.00	0.00	0.00	2.36	1.21	0.31
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	34.72	16.98	1.70
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	102.51	46.85	7.07
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	9.86	5.86	0.58
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	3.70	1.85	0.26
660	Fires	0.34	0.24	3.02	0.08	0.00	0.45	0.44	0.41
670	Waste Burning and Disposal	5.66	3.23	50.64	1.52	0.47	5.37	5.16	4.60
690	Cooking	2.48	1.73	0.00	0.00	0.00	10.39	10.39	10.39
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NOX/SOX RECLAIM				26.51	11.78			
	Total	61.83	16.52	102.20	48.31	12.74	177.13	96.14	32.53

Table VIII-2. 2012 Criteria Emissions (tons/day) by Major Source Category for the South Coast Air Basin.

Code	Source Category	TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5
Onroad Motor Vehicles									
710	Light Duty Passenger Auto (LDA)	58.49	53.92	528.58	41.78	0.81	10.73	10.53	4.61
722	Light Duty Trucks 1 (T1)	16.11	14.88	141.71	11.13	0.11	1.38	1.35	0.64
723	Light Duty Trucks 2 (T2)	23.29	21.43	240.28	26.88	0.39	3.72	3.65	1.59
724	Medium Duty Trucks (T3)	21.75	19.78	241.75	28.70	0.39	2.96	2.91	1.27
732	Light Heavy Duty Gas Trucks 1 (T4)	7.92	7.23	71.08	16.41	0.09	0.63	0.62	0.26
733	Light Heavy Duty Gas Trucks 2 (T5)	0.86	0.79	7.75	1.69	0.01	0.07	0.06	0.03
734	Medium Heavy Duty Gas Trucks (T6)	1.78	1.63	21.15	3.17	0.01	0.05	0.05	0.02
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.33	0.29	9.40	1.11	0.00	0.01	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.69	0.58	3.34	19.77	0.02	0.51	0.50	0.28
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.23	0.19	1.14	6.47	0.01	0.20	0.19	0.11
744	Medium Heavy Duty Diesel Truck (T6)	1.53	1.28	5.07	29.95	0.05	1.73	1.71	1.26
746	Heavy Heavy Duty Diesel Trucks (HHD)	5.59	4.68	23.36	92.14	0.15	4.39	4.38	3.57
750	Motorcycles (MCY)	8.51	7.30	66.36	2.23	0.00	0.08	0.08	0.03
760	Diesel Urban Buses (UB)	0.63	0.53	2.55	14.21	0.02	0.96	0.95	0.52
762	Gas Urban Buses (UB)	0.41	0.33	4.20	0.73	0.00	0.01	0.01	0.00
771	Gas School Buses (SB)	0.12	0.10	1.82	0.14	0.00	0.00	0.00	0.00
772	Diesel School Buses (SB)	0.14	0.12	0.41	2.33	0.00	0.22	0.21	0.13
777	Gas Other Buses (OB)	0.46	0.43	5.73	0.98	0.00	0.02	0.01	0.01
779	Diesel Other Buses (OB)	0.25	0.21	0.94	4.79	0.01	0.23	0.23	0.19
780	Motor Homes (MH)	0.29	0.24	7.72	1.78	0.01	0.08	0.08	0.04
Total		149.38	135.93	1384.33	306.42	2.06	27.97	27.55	14.58
Other Mobile Sources									
810	Aircraft	3.38	3.30	35.87	13.53	1.44	0.86	0.81	0.40
820	Trains	2.07	1.74	6.05	20.21	0.02	0.61	0.61	0.56
833	Ocean Going Vessels	0.94	0.83	1.49	14.71	2.98	0.52	0.52	0.50
835	Commercial Harbor Crafts	0.56	0.47	2.27	6.04	0.00	0.26	0.26	0.24
840	Recreational Boats	33.52	31.68	102.78	5.97	0.00	1.99	1.91	1.82
850	Off-Road Recreational Vehicles	6.91	6.63	7.79	0.11	0.01	0.03	0.03	0.02
860	Off-Road Equipment	57.66	52.80	592.14	70.52	0.08	4.71	4.64	4.33
870	Farm Equipment	1.23	1.06	6.76	5.36	0.01	0.32	0.32	0.29
890	Fuel Storage and Handling	7.53	7.50	0.00	0.00	0.00	0.00	0.00	0.00
Total		113.79	106.01	755.17	136.45	4.53	9.30	9.10	8.17
Total	Stationary	1061.36	235.74	161.78	78.51	15.60	205.14	117.05	48.05
Total	On-Road Vehicles	149.38	135.93	1384.33	306.42	2.06	27.97	27.55	14.58
Total	Other Mobile	113.79	106.01	755.17	136.45	4.53	9.30	9.10	8.17
Total	Anthropogenic	1324.54	477.69	2301.27	521.38	22.19	242.42	153.70	70.80