

APPENDIX VIII

MATES V

FINAL REPORT

2018 Emissions by Major Source Category

Appendix VIII

2018 Emissions by Major Source Category

The 2018 air toxics emissions inventory by major source category is presented in a table in this appendix. Emissions inventory data is presented separately for the South Coast Air Basin and the Coachella Valley. 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. 2018 Air Toxics 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	1.81	0.31	19.01	0.01	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.02	0.00	0.93	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.90	0.25	3.99	0.02	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	3.19	0.00	11.72	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	43.10	30.01	180.22	1.15	0.00	0.00	0.00	0.00	0.00
52	Food and Agricultural Processing	0.44	0.44	4.86	0.02	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	14.94	14.03	676.27	0.50	0.00	0.00	0.00	0.00	0.00
99	Other (Fuel Combustion)	24.69	26.44	26.41	2.13	0.51	0.08	0.00	0.00	0.00
	Total	89.08	71.47	923.41	3.82	0.51	0.08	0.00	0.00	0.00
Waste Disposal										
110	Sewage Treatment	1.02	1.14	3.05	0.00	0.46	51.07	0.00	0.20	0.15
120	Landfills	0.00	123.13	262.26	0.00	0.13	0.90	70.40	0.00	0.00
130	Incineration	0.00	0.00	27.70	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)	0.03	2299.99	4.17	0.00	0.02	1.75	0.04	0.01	0.01
	Total	1.05	2424.27	297.18	0.00	0.61	53.71	70.43	0.21	0.16
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	3044.60	4.25	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	808.96	0.63	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	1198.99	1.78	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	3.65	1.97	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	5056.20	8.63	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Production and Marketing										

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Acetalde-		Benzene	1,3	Carbon	1,1 Dichloro-		Ethylene	
		hyde	Acetone		Butadiene	tetrachloride	Chloroform	ethane	1,4 dioxane	dibromide
310	Oil and Gas Production	0.00	0.00	36.39	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.23	0.33	22.13	0.11	0.04	0.01	0.00	0.00	0.00
330	Petroleum Marketing	0.23	0.34	137.82	1.27	0.04	0.01	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.00	0.00	7.01	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.45	0.67	203.35	1.38	0.07	0.01	0.00	0.00	0.00
Industrial Processes										
410	Chemical	4.12	8.61	38.50	113.77	0.66	0.09	0.00	0.00	0.00
420	Food and Agriculture	0.06	0.00	0.69	0.01	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	0.06	0.09	8.69	0.03	0.01	0.00	0.00	0.00	0.00
440	Metal Processes	0.73	1.07	19.95	0.36	0.12	0.02	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	0.10	0.15	0.57	0.05	0.02	0.00	0.00	0.00	0.00
470	Electronics	0.29	0.42	1.63	0.13	0.05	0.01	0.00	0.00	0.00
499	Other (Industrial Processes)	53.20	122.36	309.99	25.66	8.50	1.27	0.00	0.00	0.00
	Total	58.56	132.70	380.02	140.00	9.36	1.39	0.00	0.00	0.00
Solvent Evaporation										
510	Consumer Products	0.00	15525.17	0.01	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	4.15	1095.32	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	0.00	5.34	0.00	0.00	0.00	0.00	0.00	0.00
	Total	4.15	16620.50	5.35	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	1328.39	980.24	189.50	0.00	0.00	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	1015.08	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

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Acetalde-		Benzene	1,3	Carbon	1,1 Dichloro-		Ethylene	
		hyde	Acetone		Butadiene	tetrachloride	Chloroform	ethane	1,4 dioxane	dibromide
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	6.36	0.00	0.00	0.00	0.00	0.00
670	Waste Burning and Disposal	0.00	0.00	4.39	14.74	0.00	0.00	0.00	0.00	0.00
690	Cooking	262.85	0.00	14.67	18.56	0.00	0.00	0.00	0.00	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
	Total	1591.24	1995.33	208.60	39.66	0.00	0.00	0.00	0.00	0.00
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	333.63	200.89	1535.86	181.11	0.00	0.00	0.00	0.00	0.00
722	Light Duty Trucks 1 (T1)	59.63	39.27	321.80	30.00	0.00	0.00	0.00	0.00	0.00
723	Light Duty Trucks 2 (T2)	175.04	105.25	853.68	96.51	0.00	0.00	0.00	0.00	0.00
724	Medium Duty Trucks (T3)	159.31	94.16	723.09	91.51	0.00	0.00	0.00	0.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	11.87	7.98	94.54	6.06	0.00	0.00	0.00	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	2.28	1.50	18.99	1.15	0.00	0.00	0.00	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	5.04	3.69	25.78	2.33	0.00	0.00	0.00	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	3.05	2.59	14.24	1.19	0.00	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	52.37	53.47	14.25	1.35	0.00	0.00	0.00	0.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	20.96	21.40	5.70	0.54	0.00	0.00	0.00	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	240.57	245.61	65.47	6.22	0.00	0.00	0.00	0.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	588.82	601.15	160.24	15.22	0.00	0.00	0.00	0.00	0.00
750	Motorcycles (MCY)	135.06	88.15	597.27	91.83	0.00	0.00	0.00	0.00	0.00
760	Diesel Urban Buses (UB)	753.03	768.80	204.92	19.46	0.00	0.00	0.00	0.00	0.00
762	Gas Urban Buses (UB)	0.26	0.17	1.18	0.13	0.00	0.00	0.00	0.00	0.00
771	Gas School Buses (SB)	0.83	0.75	3.68	0.25	0.00	0.00	0.00	0.00	0.00
772	Diesel School Buses (SB)	5.55	5.67	1.51	0.14	0.00	0.00	0.00	0.00	0.00
777	Gas Other Buses (OB)	1.81	1.31	8.86	0.84	0.00	0.00	0.00	0.00	0.00

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Acetalde-			1,3	Carbon		1,1 Dichloro-		Ethylene
		hyde	Acetone	Benzene	Butadiene	tetrachloride	Chloroform	ethane	1,4 dioxane	dibromide
778	Motor Coaches	9.95	10.16	2.71	0.26	0.00	0.00	0.00	0.00	0.00
779	Diesel Other Buses (OB)	13.78	14.07	3.75	0.36	0.00	0.00	0.00	0.00	0.00
780	Motor Homes (MH)	2.25	2.16	5.07	0.38	0.00	0.00	0.00	0.00	0.00
	Total	2575.09	2268.20	4662.59	546.85	0.00	0.00	0.00	0.00	0.00
	Other Mobile Sources									
810	Aircraft	296.38	26.20	127.23	118.53	0.00	0.00	0.00	0.00	0.00
820	Trains	149.49	152.62	40.68	3.86	0.00	0.00	0.00	0.00	0.00
833	Ocean Going Vessels	126.18	128.83	38.31	3.26	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	69.35	70.80	18.87	1.79	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	425.33	205.50	1535.39	362.70	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	10.86	5.24	60.44	9.27	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	1315.96	1050.76	2252.93	483.72	0.00	0.00	0.00	0.00	0.00
870	Farm Equipment	55.66	55.83	22.13	2.97	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	0.00	0.00	60.23	0.00	0.00	0.00	0.00	0.00	0.00
	Total	2449.21	1695.79	4156.20	986.11	0.00	0.00	0.00	0.00	0.00
Total	Stationary	1744.54	26301.13	2026.52	184.86	10.55	55.19	70.43	0.21	0.16
Total	On-Road Vehicles	2575.09	2268.20	4662.59	546.85	0.00	0.00	0.00	0.00	0.00
Total	Other Mobile	2449.21	1695.79	4156.20	986.11	0.00	0.00	0.00	0.00	0.00
Total	Anthropogenic	6768.85	30265.12	10845.32	1717.82	10.55	55.19	70.43	0.21	0.16

Table VIII-1. 2018 Air Toxics 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	68.18	0.06	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.00	0.00	0.46	0.00	0.00	0.00	0.03	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	20.64	0.05	0.00	0.00	0.02	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	250.06	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	0.00	0.00	913.26	5.89	0.00	0.00	0.49	0.00	0.00
52	Food and Agricultural Processing	0.00	0.00	10.46	0.09	0.00	0.00	0.01	0.00	0.00
60	Service and Commercial	0.00	0.00	1442.51	2.75	0.00	0.00	0.18	0.00	0.00
99	Other (Fuel Combustion)	4.29	0.13	56.62	7.53	0.00	0.00	0.48	5.49	0.00
	Total	4.29	0.13	2762.19	16.37	0.00	0.00	1.21	5.49	0.00
Waste Disposal										
110	Sewage Treatment	0.28	0.00	5.37	0.00	78.47	0.00	0.00	7.77	63.93
120	Landfills	12.29	0.00	53.91	154.62	367.34	0.00	0.00	0.00	187.13
130	Incineration	0.00	0.00	4.02	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)	0.02	0.00	0.39	0.08	2.88	0.00	0.00	0.27	2.29
	Total	12.58	0.00	63.69	154.69	448.69	0.00	0.00	8.04	253.35
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1109.72
220	Degreasing	0.00	0.00	0.00	1309.36	7708.81	0.00	2.43	0.00	1020.06
230	Coatings and Related Processes	0.00	0.00	0.00	2157.36	0.00	0.00	0.00	0.00	0.00
240	Printing	0.00	0.00	0.00	219.96	0.00	0.00	3.07	0.00	0.00
250	Adhesives and Sealants	0.00	0.00	0.00	1008.18	32.69	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	1.18	0.00	3.43	168.47	0.00	0.64	0.00	184.62
	Total	0.00	1.18	0.00	4698.29	7909.97	0.00	6.14	0.00	2314.40
Petroleum Production and Marketing										

Table VIII-1. 2018 Air Toxics 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
310	Oil and Gas Production	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.31	0.01	883.85	0.23	0.00	0.00	0.02	0.39	0.00
330	Petroleum Marketing	0.31	0.01	0.34	0.24	0.00	0.00	7.11	0.40	0.00
399	Other (Petroleum Production and Marketing)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
	Total	0.62	0.02	884.47	0.47	0.00	0.00	7.13	0.79	0.00
Industrial Processes										
410	Chemical	5.58	0.16	0.07	8.25	0.00	0.00	0.04	7.13	0.00
420	Food and Agriculture	0.00	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	0.08	0.00	5.71	0.06	0.00	0.00	21.03	0.10	0.00
440	Metal Processes	0.99	0.03	6.94	0.75	0.00	0.00	0.09	1.27	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	0.14	0.00	0.15	0.10	0.00	0.00	0.01	0.17	0.00
470	Electronics	0.40	0.01	0.38	0.30	0.00	0.00	0.02	0.51	0.00
499	Other (Industrial Processes)	71.43	2.12	90.11	54.35	15.80	0.00	4.80	91.42	53.73
	Total	78.62	2.33	104.80	63.81	15.80	0.00	25.98	100.60	53.73
Solvent Evaporation										
510	Consumer Products	0.00	0.00	5.30	1085.09	4281.63	0.00	7.73	2185.31	586.96
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	24.56	46.93	0.00	2.79	0.00	15.85
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	0.00	0.00	0.00	0.00	0.00	95.55	0.00	0.00
	Total	0.00	0.00	5.30	1109.65	4328.56	0.00	106.07	2185.31	602.81
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	0.00	1811.50	0.00	0.00	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	0.00	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

Table VIII-1. 2018 Air Toxics 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
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	0.00	0.00	0.00	0.00	0.00	0.00
690	Cooking	0.00	0.00	285.72	0.00	0.00	0.00	2.72	0.00	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00
	Total	0.00	0.00	2097.24	0.00	0.00	0.00	2.73	0.00	0.00
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	0.00	0.00	651.20	40.80	0.00	76.97	66.42	0.00	0.00
722	Light Duty Trucks 1 (T1)	0.00	0.00	122.11	7.68	0.00	16.87	14.25	0.00	0.00
723	Light Duty Trucks 2 (T2)	0.00	0.00	347.17	21.15	0.00	42.72	36.92	0.00	0.00
724	Medium Duty Trucks (T3)	0.00	0.00	326.12	18.70	0.00	34.71	31.58	0.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	0.00	25.06	1.55	0.00	3.51	2.98	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	0.00	4.61	0.29	0.00	0.67	0.56	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.00	0.00	10.92	0.70	0.00	1.74	1.44	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.00	7.71	0.44	0.00	1.26	1.08	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.00	0.00	104.81	10.52	0.00	0.00	0.61	0.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.00	0.00	41.94	4.21	0.00	0.00	0.24	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	0.00	0.00	481.40	48.32	0.00	0.00	2.78	0.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.00	0.00	1178.28	118.28	0.00	0.00	6.81	0.00	0.00
750	Motorcycles (MCY)	0.00	0.00	371.06	14.94	0.00	26.08	30.84	0.00	0.00
760	Diesel Urban Buses (UB)	0.00	0.00	1506.87	151.26	0.00	0.00	8.70	0.00	0.00
762	Gas Urban Buses (UB)	0.00	0.00	0.53	0.03	0.00	0.08	0.06	0.00	0.00
771	Gas School Buses (SB)	0.00	0.00	1.93	0.13	0.00	0.40	0.32	0.00	0.00
772	Diesel School Buses (SB)	0.00	0.00	11.11	1.12	0.00	0.00	0.06	0.00	0.00
777	Gas Other Buses (OB)	0.00	0.00	3.87	0.25	0.00	0.62	0.51	0.00	0.00

Table VIII-1. 2018 Air Toxics 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
778	Motor Coaches	0.00	0.00	19.92	2.00	0.00	0.00	0.12	0.00	0.00
779	Diesel Other Buses (OB)	0.00	0.00	27.57	2.77	0.00	0.00	0.16	0.00	0.00
780	Motor Homes (MH)	0.00	0.00	4.97	0.40	0.00	0.46	0.39	0.00	0.00
	Total	0.00	0.00	5249.17	445.56	0.00	206.09	206.83	0.00	0.00
	Other Mobile Sources									
810	Aircraft	0.00	0.00	851.95	0.21	0.00	0.78	37.68	0.00	0.00
820	Trains	0.00	0.00	299.14	30.03	0.00	0.00	1.73	0.00	0.00
833	Ocean Going Vessels	0.00	0.00	252.69	25.35	0.00	0.00	1.59	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	138.77	13.93	0.00	0.00	0.80	0.00	0.00
840	Recreational Boats	0.00	0.00	1309.03	26.65	0.00	0.00	57.97	0.00	0.00
850	Off-Road Recreational Vehicles	0.00	0.00	33.45	0.68	0.00	0.00	1.51	0.00	0.00
860	Off-Road Equipment	0.00	0.00	3224.52	189.11	0.00	0.00	83.15	0.00	0.00
870	Farm Equipment	0.00	0.00	113.39	10.93	0.00	0.00	0.88	0.00	0.00
890	Fuel Storage and Handling	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00
	Total	0.00	0.00	6222.93	296.87	0.00	0.78	185.35	0.00	0.00
Total	Stationary	96.11	3.66	5917.69	6043.28	12703.01	0.00	149.27	2300.24	3224.28
Total	On-Road Vehicles	0.00	0.00	5249.17	445.56	0.00	206.09	206.83	0.00	0.00
Total	Other Mobile	0.00	0.00	6222.93	296.87	0.00	0.78	185.35	0.00	0.00
Total	Anthropogenic	96.11	3.66	17389.79	6785.71	12703.01	206.86	541.46	2300.24	3224.28

Table VIII-1. 2018 Air Toxics 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	0.00	8.77	0.00	0.00	0.03	0.00	0.01	12.84
20	Cogeneration	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	2.01	0.00	0.00	0.01	0.00	0.01	12.53
40	Petroleum Refining (Combustion)	0.00	0.00	18.53	0.00	0.00	0.12	0.88	0.92	0.00
50	Manufacturing and Industrial	0.00	0.29	99.51	0.00	0.00	0.05	0.05	0.09	31.33
52	Food and Agricultural Processing	0.00	0.00	2.49	0.00	0.00	0.01	0.01	0.01	3.45
60	Service and Commercial	0.00	0.13	337.92	0.00	0.00	0.13	0.02	0.06	142.94
99	Other (Fuel Combustion)	0.03	7.86	9.42	0.00	2.73	0.01	0.19	0.01	82.52
	Total	0.03	8.30	479.54	0.00	2.73	0.37	1.14	1.11	285.61
Waste Disposal										
110	Sewage Treatment	0.00	0.14	36.29	7.86	0.33	0.00	0.02	0.01	0.00
120	Landfills	0.00	0.00	4598.52	112.12	138.74	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	Soil Remediation	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
199	Other (Waste Disposal)	0.00	0.00	16.21	0.33	0.08	0.00	0.00	0.00	0.00
	Total	0.00	0.14	4651.03	120.31	139.16	0.00	0.02	0.01	0.00
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	802.29	555.57	0.00	0.00	0.06	0.00	0.00
230	Coatings and Related Processes	0.00	0.00	10141.13	0.00	0.00	0.00	4.68	0.00	0.00
240	Printing	0.00	0.00	4.39	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	0.00	0.00	308.80	0.00	0.00	0.00	0.06	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	0.00	207.76	118.53	0.00	0.00	0.06	0.00	0.00
	Total	0.00	0.00	11464.38	674.10	0.00	0.00	4.86	0.00	0.00
Petroleum Production and Marketing										

Table VIII-1. 2018 Air Toxics 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)
310	Oil and Gas Production	0.00	0.00	17.03	0.00	0.00	0.04	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.55	51.85	0.00	0.19	0.71	0.00	0.00	0.00
330	Petroleum Marketing	0.00	0.56	488.53	0.00	0.20	0.00	0.01	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.00	0.00	22.43	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	1.10	579.84	0.00	0.39	0.75	0.01	0.00	0.00
Industrial Processes										
410	Chemical	0.04	3710.94	137.17	0.00	1093.19	0.01	0.53	0.07	0.00
420	Food and Agriculture	0.00	0.00	6.82	0.00	0.00	0.00	0.00	0.03	0.00
430	Mineral Processes	0.00	0.14	4.37	0.00	0.05	4.43	0.17	8.35	0.00
440	Metal Processes	0.01	1.78	10.07	0.00	0.63	0.58	0.83	6.57	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
460	Glass and Related Products	0.00	0.24	0.12	0.00	0.09	0.00	0.00	0.00	0.00
470	Electronics	0.00	0.70	0.34	0.00	0.25	0.00	0.00	0.00	0.00
499	Other (Industrial Processes)	0.43	181.82	147.04	6.25	45.59	0.39	1.15	1.34	0.00
	Total	0.48	3895.63	305.93	6.25	1139.80	5.40	2.68	16.37	0.00
Solvent Evaporation										
510	Consumer Products	0.28	749.45	4797.62	354.17	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.82	93.43	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	0.00	12.67	0.00	0.00	0.00	0.07	0.00	0.00
	Total	0.28	750.27	4903.72	354.17	0.00	0.00	0.07	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	0.00	513.90	0.00	0.00	0.13	0.05	1.40	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.49	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	1.57	1.95	20.75	0.00

Table VIII-1. 2018 Air Toxics 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)
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	3.06	0.71	4.01	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	0.10	0.14	1.42	0.00
660	Fires	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00
670	Waste Burning and Disposal	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.01	0.00
690	Cooking	0.00	0.00	11.68	0.00	0.00	0.04	0.08	0.32	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	525.58	0.00	0.00	5.27	3.27	28.74	0.00
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	0.00	89.91	3979.15	0.00	0.00	0.19	0.05	22.38	70.41
722	Light Duty Trucks 1 (T1)	0.00	15.96	851.37	0.00	0.00	0.02	0.01	1.86	8.03
723	Light Duty Trucks 2 (T2)	0.00	47.91	2232.49	0.00	0.00	0.07	0.02	8.13	2.98
724	Medium Duty Trucks (T3)	0.00	41.71	1838.28	0.00	0.00	0.05	0.01	5.21	13.12
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	3.17	301.94	0.00	0.00	0.01	0.00	0.72	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	0.63	62.39	0.00	0.00	0.00	0.00	0.18	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.00	1.31	60.22	0.00	0.00	0.00	0.00	0.28	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.68	24.33	0.00	0.00	0.00	0.00	0.01	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.00	0.41	10.49	0.00	0.00	0.01	0.01	0.58	139.31
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.00	0.17	4.20	0.00	0.00	0.00	0.00	0.30	58.71
744	Medium Heavy Duty Diesel Truck (T6)	0.00	1.90	48.19	0.00	0.00	0.02	0.00	3.05	1733.33
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.00	4.64	117.96	0.00	0.00	0.01	0.00	2.69	1994.15
750	Motorcycles (MCY)	0.00	26.47	1246.73	0.00	0.00	0.00	0.00	0.06	0.00
760	Diesel Urban Buses (UB)	0.00	5.94	150.85	0.00	0.00	0.00	0.00	0.11	6.70
762	Gas Urban Buses (UB)	0.00	0.07	2.77	0.00	0.00	0.00	0.00	0.08	0.00
771	Gas School Buses (SB)	0.00	0.20	5.39	0.00	0.00	0.00	0.00	0.15	0.00
772	Diesel School Buses (SB)	0.00	0.04	1.11	0.00	0.00	0.00	0.00	0.40	26.29
777	Gas Other Buses (OB)	0.00	0.47	20.14	0.00	0.00	0.00	0.00	0.13	0.00

Table VIII-1. 2018 Air Toxics 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)
778	Motor Coaches	0.00	0.08	1.99	0.00	0.00	0.00	0.00	0.07	45.51
779	Diesel Other Buses (OB)	0.00	0.11	2.76	0.00	0.00	0.00	0.00	0.13	89.12
780	Motor Homes (MH)	0.00	0.25	7.76	0.00	0.00	0.00	0.00	0.14	22.95
	Total	0.00	242.04	10970.51	0.00	0.00	0.39	0.11	46.67	4210.61
	Other Mobile Sources									
810	Aircraft	0.00	22.15	66.36	0.00	0.00	0.00	0.00	0.39	0.00
820	Trains	0.00	1.18	29.95	0.00	0.00	0.00	0.04	0.01	645.73
833	Ocean Going Vessels	0.00	1.00	29.23	0.00	0.00	1.83	0.17	1.83	393.65
835	Commercial Harbor Crafts	0.00	0.55	13.89	0.00	0.00	0.00	0.01	0.01	234.97
840	Recreational Boats	0.00	58.32	3216.03	0.00	0.00	0.00	0.00	1.22	6.87
850	Off-Road Recreational Vehicles	0.00	1.48	133.26	0.00	0.00	0.00	0.00	0.01	0.00
860	Off-Road Equipment	0.00	80.14	4415.34	0.00	0.00	0.01	0.11	1.55	3678.18
870	Farm Equipment	0.00	0.68	26.58	0.00	0.00	0.00	0.01	0.02	253.56
890	Fuel Storage and Handling	0.00	0.00	147.64	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	165.50	8078.28	0.00	0.00	1.84	0.34	5.04	5212.97
Total	Stationary	0.79	4655.44	22910.02	1154.83	1282.09	11.79	12.04	46.23	285.61
Total	On-Road Vehicles	0.00	242.04	10970.51	0.00	0.00	0.39	0.11	46.67	4210.61
Total	Other Mobile	0.00	165.50	8078.28	0.00	0.00	1.84	0.34	5.04	5212.97
Total	Anthropogenic	0.79	5062.98	41958.82	1154.83	1282.09	14.03	12.49	97.93	9709.19

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Elemental		Hexavalent		Organic			Silicon	
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon		Selenium
Fuel Combustion										
10	Electric Utilities	12.22	43.59	42.95	0.00	0.12	0.76	630.19	0.00	20.76
20	Cogeneration	0.00	0.20	0.20	0.00	0.00	0.00	5.41	0.00	0.14
30	Oil and Gas Production (combustion)	11.89	15.53	14.98	0.00	0.03	0.55	107.33	0.00	3.76
40	Petroleum Refining (Combustion)	0.00	203.25	200.84	0.00	0.43	3.08	2007.72	0.00	103.38
50	Manufacturing and Industrial	29.82	153.90	119.09	0.00	0.32	4.52	1310.01	0.00	98.34
52	Food and Agricultural Processing	3.24	8.81	8.65	0.00	0.02	0.20	36.33	0.00	2.89
60	Service and Commercial	135.99	201.15	195.77	0.00	0.31	2.44	1361.29	0.00	51.94
99	Other (Fuel Combustion)	78.52	59.90	56.90	0.00	0.01	0.15	87.03	0.00	12.30
	Total	271.67	686.34	639.37	0.00	1.25	11.70	5545.29	0.00	293.50
Waste Disposal										
110	Sewage Treatment	0.00	0.01	0.01	0.00	1.33	0.00	0.19	0.00	0.01
120	Landfills	0.00	9.17	9.07	0.00	0.04	0.12	248.84	0.00	8.11
130	Incineration	0.00	21.81	21.80	0.00	0.00	8.76	9.80	0.00	9.02
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	0.12	0.12	0.00	0.00	0.00	3.25	0.00	0.09
	Total	0.00	31.11	31.00	0.00	1.37	8.89	262.09	0.00	17.22
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.42	0.38	0.00	0.00	0.00	9.30	0.00	3.14
230	Coatings and Related Processes	0.00	34.22	31.65	0.00	0.00	0.00	748.66	0.00	253.01
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	0.42	0.39	0.00	0.00	0.00	9.41	0.00	3.18
299	Other (Cleaning and Surface Coatings)	0.00	1.61	1.58	0.00	0.00	0.00	9.52	0.00	3.22
	Total	0.00	36.67	34.00	0.00	0.00	0.00	776.89	0.00	262.55
Petroleum Production and Marketing										

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Elemental		Hexavalent		Organic			Silicon	
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon		Selenium
310	Oil and Gas Production	0.00	1.96	2.12	0.00	0.04	0.04	0.42	0.00	8.29
320	Petroleum Refining	0.00	38.12	40.65	0.00	0.71	0.70	0.00	0.00	138.50
330	Petroleum Marketing	0.00	0.04	0.04	0.00	0.00	0.00	0.86	0.00	0.29
399	Other (Petroleum Production and Marketing)	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.01
	Total	0.00	40.12	42.81	0.00	0.75	0.75	1.32	0.00	147.10
Industrial Processes										
410	Chemical	0.00	2.53	1.72	0.00	0.08	0.52	9.15	0.00	1.12
420	Food and Agriculture	0.00	71.99	1.65	0.00	0.01	0.04	38.75	0.00	36.68
430	Mineral Processes	0.00	98.90	79.55	0.01	0.17	8.23	0.94	0.55	5570.51
440	Metal Processes	0.00	75.86	50.49	0.07	11.38	2.89	8.05	0.06	7.95
450	Wood and Paper	0.00	5.70	1.71	0.00	0.01	0.01	5.40	0.00	0.04
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	0.04	0.01	0.00	0.00	0.00	0.23	0.00	0.15
499	Other (Industrial Processes)	0.00	47.79	22.81	0.01	0.28	1.50	231.43	0.01	354.92
	Total	0.00	302.82	157.96	0.09	11.92	13.19	293.95	0.63	5971.37
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	0.50	0.47	0.00	0.00	0.00	11.28	0.00	3.81
	Total	0.00	0.50	0.47	0.00	0.00	0.00	11.28	0.00	3.81
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	2597.96	1899.94	0.00	0.22	2.35	7964.40	1.61	7.46
620	Farming Operations	0.00	16.22	3.33	0.00	0.14	0.12	271.23	0.01	420.35
630	Construction and Demolition	0.00	428.37	28.04	0.00	51.60	5.47	4072.01	0.19	17621.34

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Elemental		Hexavalent		Organic			Silicon	
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon		Selenium
640	Paved Road Dust	0.00	1819.60	125.55	0.00	29.23	2.83	14084.77	0.47	71593.95
645	Unpaved Road Dust	0.00	22.98	1.36	0.00	2.57	0.73	665.01	0.06	6413.14
650	Fugitive Windblown Dust	0.00	19.88	1.16	0.00	2.42	0.35	180.75	0.01	1230.21
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	275.22	239.23	0.00	0.05	0.00	688.09	0.01	5.54
690	Cooking	0.00	1189.21	1189.19	0.00	3.19	0.73	15145.60	0.01	61.06
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14
	Total	0.00	6588.73	3680.85	0.00	89.49	12.59	43287.52	2.35	97392.45
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	66.96	1625.92	660.59	0.24	2.02	12.33	4269.45	0.45	1273.36
722	Light Duty Trucks 1 (T1)	7.64	151.82	69.70	0.02	0.20	1.02	380.04	0.04	106.26
723	Light Duty Trucks 2 (T2)	2.83	591.81	240.28	0.09	0.75	4.48	1547.04	0.16	463.00
724	Medium Duty Trucks (T3)	12.48	385.36	159.86	0.06	0.49	2.88	1006.79	0.10	296.67
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	32.29	12.70	0.01	0.05	0.40	97.73	0.01	40.69
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	7.59	2.96	0.00	0.01	0.10	23.66	0.00	10.43
734	Medium Heavy Duty Gas Trucks (T6)	0.00	11.30	4.24	0.00	0.02	0.15	35.70	0.01	15.81
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	1.24	0.45	0.00	0.00	0.01	3.24	0.00	0.79
742	Light Heavy Duty Diesel Trucks 1 (T4)	132.48	64.71	44.38	0.01	0.04	0.32	182.23	0.01	33.20
743	Light Heavy Duty Diesel Trucks 2 (T5)	55.83	28.66	19.24	0.00	0.02	0.16	81.97	0.01	16.92
744	Medium Heavy Duty Diesel Truck (T6)	1648.40	449.58	380.05	0.03	0.11	1.15	626.36	0.04	116.71
746	Heavy Heavy Duty Diesel Trucks (HHD)	1896.44	576.86	410.54	0.02	0.22	0.95	991.56	0.04	93.15
750	Motorcycles (MCY)	0.00	7.25	3.52	0.00	0.02	0.04	19.18	0.00	3.60
760	Diesel Urban Buses (UB)	6.37	13.26	4.96	0.00	0.01	0.06	33.79	0.00	6.01
762	Gas Urban Buses (UB)	0.00	3.13	1.12	0.00	0.00	0.04	10.10	0.00	4.56
771	Gas School Buses (SB)	0.00	3.66	1.51	0.00	0.01	0.08	14.28	0.00	8.61
772	Diesel School Buses (SB)	25.00	11.77	5.84	0.00	0.02	0.22	47.80	0.01	22.32
777	Gas Other Buses (OB)	0.00	5.13	1.88	0.00	0.01	0.07	16.34	0.00	7.30

Table VIII-1. 2018 Air Toxics Emissions (lbs/day) by Major Source Category for the South Coast Air Basin

Code	Source Category	Elemental		Hexavalent		Organic			Silicon	
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon		Selenium
778	Motor Coaches	43.28	7.12	5.62	0.00	0.00	0.03	19.88	0.00	2.80
779	Diesel Other Buses (OB)	84.76	13.71	10.99	0.00	0.01	0.05	37.91	0.00	5.02
780	Motor Homes (MH)	21.82	11.76	7.95	0.00	0.01	0.08	34.12	0.00	8.04
	Total	4004.29	4003.92	2048.38	0.49	4.01	24.63	9479.17	0.89	2535.25
	Other Mobile Sources									
810	Aircraft	0.00	245.38	219.22	0.02	0.46	0.77	603.41	0.00	9.62
820	Trains	591.18	166.04	156.29	0.00	0.02	0.01	443.69	0.00	1.85
833	Ocean Going Vessels	362.16	72.29	66.50	0.09	1.90	0.17	205.49	0.17	0.00
835	Commercial Harbor Crafts	216.10	145.60	133.91	0.00	0.00	0.00	54.78	0.00	0.52
840	Recreational Boats	4.65	437.56	297.52	0.06	3.27	3.26	1678.59	0.00	44.36
850	Off-Road Recreational Vehicles	0.00	3.56	2.43	0.00	0.03	0.03	13.79	0.00	0.36
860	Off-Road Equipment	3383.30	2788.56	2444.54	0.08	3.86	3.90	2960.01	0.03	63.70
870	Farm Equipment	233.32	160.10	146.62	0.00	0.03	0.02	70.65	0.00	0.86
890	Fuel Storage and Handling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	4790.72	4019.10	3467.04	0.26	9.56	8.16	6030.40	0.21	121.27
Total	Stationary	271.67	7686.29	4586.45	0.09	104.78	47.11	50178.34	2.98	104088.00
Total	On-Road Vehicles	4004.29	4003.92	2048.38	0.49	4.01	24.63	9479.17	0.89	2535.25
Total	Other Mobile	4790.72	4019.10	3467.04	0.26	9.56	8.16	6030.40	0.21	121.27
Total	Anthropogenic	9066.68	15709.30	10101.87	0.84	118.35	79.90	65687.91	4.09	106744.52

Table VIII-2. 2018 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	NH3
Fuel Combustion										
10	Electric Utilities	2.69	0.31	4.25	0.59	0.22	0.51	0.51	0.51	0.68
20	Cogeneration	0.05	0.02	0.12	0.02	0.00	0.02	0.02	0.01	0.18
30	Oil and Gas Production (combustion)	1.11	0.12	0.61	0.71	0.01	0.10	0.09	0.09	0.22
40	Petroleum Refining (Combustion)	6.48	1.33	4.87	0.00	0.01	1.78	1.77	1.77	1.50
50	Manufacturing and Industrial	25.94	4.19	15.30	10.01	0.21	1.25	1.16	1.12	2.26
52	Food and Agricultural Processing	0.07	0.03	0.34	0.11	0.00	0.03	0.03	0.03	0.04
60	Service and Commercial	10.64	4.16	13.58	9.25	0.79	1.16	1.16	1.16	2.70
99	Other (Fuel Combustion)	0.58	0.27	1.31	2.54	0.07	0.18	0.16	0.15	0.05
	Total	47.56	10.43	40.38	23.23	1.33	5.03	4.92	4.85	7.62
Waste Disposal										
110	Sewage Treatment	0.37	0.27	0.00	0.00	0.00	0.02	0.00	0.00	0.23
120	Landfills	640.10	8.88	0.39	0.45	0.37	0.20	0.20	0.20	3.97
130	Incineration	0.19	0.04	0.25	0.98	0.07	0.12	0.06	0.05	0.22
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)	57.94	4.67	0.01	0.01	0.00	0.00	0.00	0.00	1.08
	Total	698.60	13.86	0.65	1.44	0.44	0.34	0.26	0.25	5.51
Cleaning and Surface Coatings										
210	Laundering	3.41	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	66.07	12.12	0.00	0.00	0.00	0.02	0.02	0.02	0.01
230	Coatings and Related Processes	19.08	18.57	0.00	0.00	0.00	1.67	1.60	1.54	0.09
240	Printing	1.17	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.06
250	Adhesives and Sealants	4.82	4.21	0.00	0.00	0.00	0.02	0.02	0.02	0.00
299	Other (Cleaning and Surface Coatings)	1.42	1.08	0.11	0.01	0.00	0.02	0.02	0.02	0.00
	Total	95.98	37.29	0.12	0.01	0.00	1.74	1.67	1.60	0.16
Petroleum Production and Marketing										

Table VIII-2. 2018 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	NH3
310	Oil and Gas Production	4.86	2.18	0.02	0.01	0.06	0.04	0.03	0.02	0.00
320	Petroleum Refining	6.35	4.43	2.39	0.23	0.24	1.87	1.25	0.88	0.07
330	Petroleum Marketing	54.79	13.80	0.23	0.00	0.00	0.01	0.00	0.00	0.00
399	Other (Petroleum Production and Marketing)	0.60	0.58	0.01	0.01	0.00	0.00	0.00	0.00	0.00
	Total	66.60	20.99	2.65	0.25	0.30	1.92	1.28	0.91	0.07
	Industrial Processes									
410	Chemical	5.20	3.88	0.12	0.03	0.05	0.59	0.49	0.44	0.01
420	Food and Agriculture	0.58	0.56	0.01	0.00	0.00	0.16	0.07	0.03	0.00
430	Mineral Processes	0.35	0.31	0.29	0.02	0.04	8.22	4.49	2.51	0.08
440	Metal Processes	0.11	0.09	0.25	0.04	0.03	0.38	0.30	0.22	0.00
450	Wood and Paper	0.19	0.19	0.00	0.00	0.00	6.43	4.50	2.70	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	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
499	Other (Industrial Processes)	7.01	5.30	0.13	0.05	0.00	1.81	1.12	0.80	9.29
	Total	13.45	10.35	0.79	0.14	0.13	17.60	10.98	6.69	9.39
	Solvent Evaporation									
510	Consumer Products	105.32	87.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	12.23	11.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	1.34	1.34	0.00	0.00	0.00	0.00	0.00	0.00	1.20
540	Asphalt Paving/Roofing	1.06	0.98	0.00	0.00	0.00	0.03	0.02	0.02	0.00
	Total	119.96	101.41	0.00	0.00	0.00	0.03	0.02	0.02	1.20
	Miscellaneous Processes									
610	Residential Fuel Combustion	19.29	8.43	46.75	14.56	0.48	7.15	6.79	6.60	0.11
620	Farming Operations	25.38	1.43	0.00	0.00	0.00	1.60	0.78	0.16	8.52
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	46.32	22.65	2.27	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	117.88	53.87	8.13	0.00

Table VIII-2. 2018 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	NH3
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	9.87	5.86	0.58	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	3.20	1.62	0.23	0.00
660	Fires	0.34	0.23	3.02	0.08	0.00	0.45	0.44	0.41	0.00
670	Waste Burning and Disposal	0.81	0.47	6.31	0.19	0.05	0.72	0.70	0.63	0.03
690	Cooking	2.76	1.93	0.00	0.00	0.01	11.46	11.46	11.46	0.00
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.98
	RECLAIM				17.77	5.48				
	Total	48.57	12.48	56.08	32.59	6.01	198.65	104.17	30.48	34.65
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	32.11	28.96	311.82	23.59	0.73	11.62	11.38	4.79	6.16
722	Light Duty Trucks 1 (T1)	7.06	6.41	51.60	5.01	0.07	0.99	0.96	0.42	0.63
723	Light Duty Trucks 2 (T2)	17.98	16.24	160.67	17.21	0.35	4.22	4.13	1.74	3.29
724	Medium Duty Trucks (T3)	14.64	13.17	128.33	14.30	0.27	2.72	2.66	1.13	3.19
732	Light Heavy Duty Gas Trucks 1 (T4)	2.39	2.25	8.59	2.06	0.03	0.33	0.33	0.14	0.25
733	Light Heavy Duty Gas Trucks 2 (T5)	0.49	0.47	1.60	0.46	0.01	0.08	0.08	0.03	0.05
734	Medium Heavy Duty Gas Trucks (T6)	0.49	0.43	4.89	0.84	0.02	0.13	0.12	0.05	0.04
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.22	0.18	5.07	0.70	0.00	0.01	0.01	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.36	0.31	1.88	9.34	0.01	0.35	0.34	0.18	0.01
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.14	0.13	0.73	3.51	0.01	0.17	0.17	0.08	0.00
744	Medium Heavy Duty Diesel Truck (T6)	1.64	1.44	5.02	27.69	0.06	1.80	1.78	1.20	0.17
746	Heavy Heavy Duty Diesel Trucks (HHD)	4.00	2.70	14.55	66.49	0.17	2.06	2.04	1.33	0.29
750	Motorcycles (MCY)	10.35	9.09	46.65	2.46	0.00	0.04	0.04	0.02	0.02
760	Diesel Urban Buses (UB)	5.12	0.25	24.41	2.02	0.00	0.07	0.07	0.03	0.00
762	Gas Urban Buses (UB)	0.02	0.02	0.19	0.09	0.01	0.04	0.04	0.01	0.01
771	Gas School Buses (SB)	0.05	0.04	0.42	0.05	0.00	0.06	0.06	0.03	0.00
772	Diesel School Buses (SB)	0.04	0.03	0.12	2.21	0.00	0.18	0.18	0.08	0.01
777	Gas Other Buses (OB)	0.16	0.14	1.67	0.34	0.01	0.06	0.06	0.02	0.02
778	Motor Coaches	0.07	0.06	0.25	1.11	0.00	0.05	0.04	0.03	0.00

Table VIII-2. 2018 Criteria Emissions (tons/day) by Major Source Category for the South Coast Air Basin

		TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5	NH3
Code	Source Category									
779	Diesel Other Buses (OB)	0.09	0.08	0.26	1.39	0.00	0.08	0.08	0.06	0.01
780	Motor Homes (MH)	0.08	0.07	1.22	0.62	0.01	0.08	0.07	0.04	0.02
	Total	97.51	82.45	769.96	181.50	1.75	25.13	24.65	11.43	14.17
	Other Mobile Sources									
810	Aircraft	3.68	3.63	37.66	15.51	1.77	0.75	0.73	0.66	0.00
820	Trains	1.02	0.85	3.98	17.66	0.01	0.32	0.32	0.30	0.01
833	Ocean Going Vessels	2.61	2.18	3.45	33.35	2.21	0.69	0.69	0.64	0.03
835	Commercial Harbor Crafts	1.27	1.07	6.47	11.45	0.00	0.48	0.48	0.44	0.00
840	Recreational Boats	26.02	22.45	86.44	4.88	0.01	1.54	1.39	1.05	0.01
850	Off-Road Recreational Vehicles	2.63	2.54	3.68	0.07	0.00	0.01	0.01	0.01	0.00
860	Off-Road Equipment	47.83	42.09	544.65	49.95	0.09	3.75	3.57	3.03	0.11
870	Farm Equipment	0.56	0.48	4.92	2.07	0.00	0.14	0.14	0.12	0.00
890	Fuel Storage and Handling	5.48	5.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	91.09	80.75	691.25	134.94	4.09	7.69	7.33	6.25	0.15
Total	Stationary	1090.72	206.81	100.67	57.67	8.21	225.30	123.29	44.81	58.61
Total	On-Road Vehicles	97.51	82.45	769.96	181.50	1.75	25.13	24.65	11.43	14.17
Total	Other Mobile	91.09	80.75	691.25	134.94	4.09	7.69	7.33	6.25	0.15
Total	Anthropogenic	1279.32	370.02	1561.87	374.11	14.06	258.12	155.27	62.49	72.93

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

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	0.04	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	1.06	1.06	0.72	0.03	0.00	0.00	0.00	0.00	0.00
52	Food and Agricultural Processing	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	0.19	0.19	22.71	0.00	0.00	0.00	0.00	0.00	0.00
99	Other (Fuel Combustion)	2.55	2.08	0.68	0.02	0.00	0.00	0.00	0.00	0.00
	Total	3.85	3.34	24.31	0.05	0.00	0.00	0.00	0.00	0.00
Waste Disposal										
110	Sewage Treatment	0.05	0.06	0.15	0.00	0.02	2.62	0.00	0.01	0.01
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.00	0.10	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	359.57	0.00	0.00	0.00	0.01	0.00	0.00	0.00
	Total	0.05	359.63	0.25	0.00	0.02	2.63	0.00	0.01	0.01
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	76.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	77.90	0.00	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	66.59	0.10	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	221.24	0.10	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Acetalde-		Benzene	1,3	Carbon	1,1 Dichloro-		Ethylene	
		hyde	Acetone		Butadiene	tetrachloride	Chloroform	ethane	1,4 dioxane	dibromide
330	Petroleum Marketing	0.00	0.00	2.84	0.03	0.00	0.00	0.00	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	2.84	0.03	0.00	0.00	0.00	0.00	0.00
Industrial Processes										
410	Chemical	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	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)	0.13	0.19	0.74	0.06	0.02	0.00	0.00	0.00	0.00
	Total	0.13	0.19	0.74	0.06	0.02	0.00	0.00	0.00	0.00
Solvent Evaporation										
510	Consumer Products	0.00	413.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.13	34.47	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	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.13	448.35	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	68.95	50.88	4.77	0.00	0.00	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	27.30	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	0.15	0.00	0.00	0.00	0.00	0.00
670	Waste Burning and Disposal	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Acetalde-		Benzene	1,3	Carbon	1,1 Dichloro-		Ethylene	
		hyde	Acetone		Butadiene	tetrachloride	Chloroform	ethane	1,4 dioxane	dibromide
690	Cooking	6.21	0.00	0.35	0.44	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	75.16	78.18	5.12	0.84	0.00	0.00	0.00	0.00	0.00
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	9.25	5.16	47.09	5.36	0.00	0.00	0.00	0.00	0.00
722	Light Duty Trucks 1 (T1)	1.94	1.29	11.19	0.98	0.00	0.00	0.00	0.00	0.00
723	Light Duty Trucks 2 (T2)	5.36	3.22	28.00	2.96	0.00	0.00	0.00	0.00	0.00
724	Medium Duty Trucks (T3)	4.89	2.88	24.11	2.79	0.00	0.00	0.00	0.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	0.40	0.26	3.36	0.22	0.00	0.00	0.00	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.09	0.06	0.77	0.05	0.00	0.00	0.00	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.32	0.24	1.61	0.14	0.00	0.00	0.00	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.35	0.29	1.60	0.15	0.00	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	2.22	2.27	0.60	0.06	0.00	0.00	0.00	0.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.94	0.96	0.26	0.02	0.00	0.00	0.00	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	9.48	9.68	2.58	0.24	0.00	0.00	0.00	0.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	51.62	52.70	14.05	1.33	0.00	0.00	0.00	0.00	0.00
750	Motorcycles (MCY)	5.40	3.53	23.73	3.60	0.00	0.00	0.00	0.00	0.00
760	Diesel Urban Buses (UB)	15.94	16.28	4.34	0.41	0.00	0.00	0.00	0.00	0.00
762	Gas Urban Buses (UB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
771	Gas School Buses (SB)	0.01	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00
772	Diesel School Buses (SB)	0.13	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00
777	Gas Other Buses (OB)	0.04	0.03	0.17	0.02	0.00	0.00	0.00	0.00	0.00
778	Motor Coaches	0.16	0.17	0.04	0.00	0.00	0.00	0.00	0.00	0.00
779	Diesel Other Buses (OB)	0.23	0.24	0.06	0.01	0.00	0.00	0.00	0.00	0.00
780	Motor Homes (MH)	0.07	0.07	0.12	0.01	0.00	0.00	0.00	0.00	0.00
	Total	108.85	99.44	163.78	18.36	0.00	0.00	0.00	0.00	0.00
Other Mobile Sources										
810	Aircraft	6.03	0.57	3.16	2.49	0.00	0.00	0.00	0.00	0.00
820	Trains	16.70	17.05	4.55	0.43	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Acetalde-		Benzene	1,3	Carbon	1,1 Dichloro-		Ethylene	
		hyde	Acetone		Butadiene	tetrachloride	Chloroform	ethane	1,4 dioxane	dibromide
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	7.93	3.83	28.83	6.76	0.00	0.00	0.00	0.00	0.00
850	Off-Road Recreational Vehicles	1.34	0.65	6.54	1.14	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	50.00	41.26	76.61	16.33	0.00	0.00	0.00	0.00	0.00
870	Farm Equipment	7.99	8.06	2.91	0.37	0.00	0.00	0.00	0.00	0.00
890	Fuel Storage and Handling	0.00	0.00	1.81	0.00	0.00	0.00	0.00	0.00	0.00
	Total	89.99	71.41	124.41	27.52	0.00	0.00	0.00	0.00	0.00
Total	Stationary	79.32	1110.93	33.57	0.99	0.04	2.63	0.00	0.01	0.01
Total	On-Road Vehicles	108.85	99.44	163.78	18.36	0.00	0.00	0.00	0.00	0.00
Total	Other Mobile	89.99	71.41	124.41	27.52	0.00	0.00	0.00	0.00	0.00
Total	Anthropogenic	278.16	1281.79	321.77	46.87	0.04	2.63	0.00	0.01	0.01

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

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	1.11	0.00	0.00	0.00	0.00	0.00	0.00
20	Cogeneration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	0.00	0.00	34.91	0.21	0.00	0.00	0.01	0.00	0.00
52	Food and Agricultural Processing	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	0.00	0.00	45.20	0.04	0.00	0.00	0.00	0.00	0.00
99	Other (Fuel Combustion)	0.00	0.00	3.56	0.14	0.00	0.00	0.01	0.00	0.00
	Total	0.00	0.00	84.88	0.39	0.00	0.00	0.02	0.00	0.00
Waste Disposal										
110	Sewage Treatment	0.01	0.00	0.28	0.00	4.02	0.00	0.00	0.40	3.28
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.00	0.00	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	0.02	0.00	0.00	0.00	0.01
	Total	0.01	0.00	0.28	0.00	4.04	0.00	0.00	0.40	3.29
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.27
220	Degreasing	0.00	0.00	0.00	32.59	171.41	0.00	0.00	0.00	4.48
230	Coatings and Related Processes	0.00	0.00	0.00	228.32	0.00	0.00	0.00	0.00	10.10
240	Printing	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
250	Adhesives and Sealants	0.00	0.00	0.00	55.99	1.91	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.05
	Total	0.00	0.00	0.00	316.90	173.36	0.00	0.10	0.00	47.90
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	Naphthalene	p-Dichlorobenzene	Perchloroethylene
330	Petroleum Marketing	0.00	0.00	0.00	0.00	0.00	0.00	0.19	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	0.00	0.00	0.00	0.00	0.19	0.00	0.00
Industrial Processes										
410	Chemical	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	1.39	0.00	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	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)	0.18	0.01	0.19	0.13	0.51	0.00	0.01	0.23	1.72
	Total	0.18	0.01	0.19	0.13	0.51	0.00	1.40	0.23	1.72
Solvent Evaporation										
510	Consumer Products	0.00	0.00	0.16	28.94	128.54	0.00	0.20	66.92	17.88
520	Architectural Coatings and Related Solvent	0.00	0.00	0.00	0.77	1.48	0.00	0.09	0.00	0.50
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	0.00	0.00	0.00	0.00	0.00	5.58	0.00	0.00
	Total	0.00	0.00	0.16	29.71	130.02	0.00	5.87	66.92	18.38
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	0.00	83.81	0.00	0.00	0.00	0.00	0.00	0.00
620	Farming Operations	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	Naphthalene	p-Dichlorobenzene	Perchloroethylene
690	Cooking	0.00	0.00	6.77	0.00	0.00	0.00	0.06	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	0.00	0.00	90.58	0.00	0.00	0.00	0.06	0.00	0.00
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	0.00	0.00	17.54	1.08	0.00	1.84	1.63	0.00	0.00
722	Light Duty Trucks 1 (T1)	0.00	0.00	4.02	0.25	0.00	0.55	0.47	0.00	0.00
723	Light Duty Trucks 2 (T2)	0.00	0.00	10.65	0.65	0.00	1.31	1.13	0.00	0.00
724	Medium Duty Trucks (T3)	0.00	0.00	9.82	0.58	0.00	1.09	0.97	0.00	0.00
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	0.00	0.84	0.05	0.00	0.11	0.09	0.00	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	0.00	0.18	0.01	0.00	0.02	0.02	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.00	0.00	0.70	0.05	0.00	0.12	0.10	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.00	0.89	0.05	0.00	0.13	0.12	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.00	0.00	4.44	0.45	0.00	0.00	0.03	0.00	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.00	0.00	1.88	0.19	0.00	0.00	0.01	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	0.00	0.00	18.97	1.90	0.00	0.00	0.11	0.00	0.00
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.00	0.00	103.30	10.37	0.00	0.00	0.60	0.00	0.00
750	Motorcycles (MCY)	0.00	0.00	14.93	0.58	0.00	1.05	1.25	0.00	0.00
760	Diesel Urban Buses (UB)	0.00	0.00	31.91	3.20	0.00	0.00	0.18	0.00	0.00
762	Gas Urban Buses (UB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
771	Gas School Buses (SB)	0.00	0.00	0.03	0.00	0.00	0.01	0.01	0.00	0.00
772	Diesel School Buses (SB)	0.00	0.00	0.27	0.03	0.00	0.00	0.00	0.00	0.00
777	Gas Other Buses (OB)	0.00	0.00	0.08	0.01	0.00	0.01	0.01	0.00	0.00
778	Motor Coaches	0.00	0.00	0.33	0.03	0.00	0.00	0.00	0.00	0.00
779	Diesel Other Buses (OB)	0.00	0.00	0.46	0.05	0.00	0.00	0.00	0.00	0.00
780	Motor Homes (MH)	0.00	0.00	0.15	0.01	0.00	0.01	0.01	0.00	0.00
	Total	0.00	0.00	221.39	19.53	0.00	6.25	6.74	0.00	0.00
Other Mobile Sources										
810	Aircraft	0.00	0.00	17.22	0.02	0.00	0.06	0.77	0.00	0.00
820	Trains	0.00	0.00	33.42	3.36	0.00	0.00	0.19	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Ethylene dichloride	Ethylene oxide	Formaldehyde	Methyl ethyl ketone	Methylene chloride	MTBE	Naphthalene	p-Dichlorobenzene	Perchloroethylene
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	0.00	0.00	24.40	0.50	0.00	0.00	1.08	0.00	0.00
850	Off-Road Recreational Vehicles	0.00	0.00	4.12	0.08	0.00	0.00	0.18	0.00	0.00
860	Off-Road Equipment	0.00	0.00	119.68	7.53	0.00	0.00	2.85	0.00	0.00
870	Farm Equipment	0.00	0.00	16.21	1.58	0.00	0.00	0.12	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	215.06	13.06	0.00	0.06	5.20	0.00	0.00
Total	Stationary	0.19	0.01	176.09	347.14	307.92	0.00	7.66	67.55	71.29
Total	On-Road Vehicles	0.00	0.00	221.39	19.53	0.00	6.25	6.74	0.00	0.00
Total	Other Mobile	0.00	0.00	215.06	13.06	0.00	0.06	5.20	0.00	0.00
Total	Anthropogenic	0.19	0.01	612.54	379.72	307.92	6.30	19.60	67.55	71.29

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Propylene oxide	Styrene	Toluene	Trichloro- ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel PM (DPM)
Fuel Combustion										
10	Electric Utilities	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.04
20	Cogeneration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	0.00	0.01	0.42	0.00	0.00	0.00	0.00	0.00	0.25
52	Food and Agricultural Processing	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	0.00	0.00	10.84	0.00	0.00	0.00	0.00	0.00	2.05
99	Other (Fuel Combustion)	0.00	0.01	0.77	0.00	0.00	0.00	0.07	0.00	3.60
	Total	0.00	0.02	12.11	0.00	0.00	0.00	0.07	0.00	5.94
Waste Disposal										
110	Sewage Treatment	0.00	0.01	1.86	0.40	0.02	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.00	0.00	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	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.01	1.87	0.40	0.02	0.00	0.00	0.00	0.00
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	0.00	0.00	5.81	0.74	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	0.00	0.00	508.30	0.00	0.00	0.00	0.20	0.00	0.00
240	Printing	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	0.00	0.00	17.15	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.00	0.00	0.05	0.03	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	531.46	0.78	0.00	0.00	0.20	0.00	0.00
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Propylene oxide	Styrene	Toluene	Trichloro- ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel PM (DPM)
330	Petroleum Marketing	0.00	0.00	10.77	0.00	0.00	0.00	0.00	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	10.77	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes										
410	Chemical	0.00	98.16	0.00	0.00	26.52	0.00	0.01	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	0.00	0.00	1.49	0.00	0.00	0.36	0.00	0.60	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	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)	0.00	5.43	0.19	0.20	0.11	0.00	0.00	0.00	0.00
	Total	0.00	103.59	1.68	0.20	26.63	0.36	0.01	0.60	0.00
Solvent Evaporation										
510	Consumer Products	0.01	22.66	123.41	10.91	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.00	0.03	2.94	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	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.01	22.69	126.83	10.91	0.00	0.00	0.00	0.00	0.00
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	0.00	24.14	0.00	0.00	0.01	0.00	0.04	0.00
620	Farming Operations	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.38	0.00
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	0.76	0.94	10.05	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	0.23	0.05	0.30	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	0.09	0.08	0.10	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.79	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	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Propylene oxide	Styrene	Toluene	Trichloro- ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel PM (DPM)
690	Cooking	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.01	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	0.00	0.00	24.31	0.00	0.00	1.17	1.19	11.67	0.00
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	0.00	2.58	133.50	0.00	0.00	0.01	0.00	0.66	1.84
722	Light Duty Trucks 1 (T1)	0.00	0.52	30.26	0.00	0.00	0.00	0.00	0.06	0.25
723	Light Duty Trucks 2 (T2)	0.00	1.48	75.55	0.00	0.00	0.00	0.00	0.26	0.09
724	Medium Duty Trucks (T3)	0.00	1.32	64.15	0.00	0.00	0.00	0.00	0.19	0.37
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	0.11	11.11	0.00	0.00	0.00	0.00	0.03	0.00
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	0.03	2.57	0.00	0.00	0.00	0.00	0.01	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.00	0.08	3.57	0.00	0.00	0.00	0.00	0.02	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.07	2.81	0.00	0.00	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.00	0.02	0.44	0.00	0.00	0.00	0.00	0.02	6.10
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.00	0.01	0.19	0.00	0.00	0.00	0.00	0.01	2.65
744	Medium Heavy Duty Diesel Truck (T6)	0.00	0.07	1.90	0.00	0.00	0.00	0.00	0.14	94.19
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.00	0.41	10.34	0.00	0.00	0.00	0.00	0.40	302.02
750	Motorcycles (MCY)	0.00	1.04	48.54	0.00	0.00	0.00	0.00	0.00	0.00
760	Diesel Urban Buses (UB)	0.00	0.13	3.19	0.00	0.00	0.00	0.00	0.00	0.24
762	Gas Urban Buses (UB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
771	Gas School Buses (SB)	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.01	0.00
772	Diesel School Buses (SB)	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.01	0.59
777	Gas Other Buses (OB)	0.00	0.01	0.33	0.00	0.00	0.00	0.00	0.00	0.00
778	Motor Coaches	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	1.00
779	Diesel Other Buses (OB)	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	1.80
780	Motor Homes (MH)	0.00	0.01	0.19	0.00	0.00	0.00	0.00	0.00	1.41
	Total	0.00	7.88	388.84	0.00	0.00	0.01	0.00	1.84	412.55
Other Mobile Sources										
810	Aircraft	0.00	0.49	2.53	0.00	0.00	0.00	0.00	0.02	0.00
820	Trains	0.00	0.13	3.35	0.00	0.00	0.00	0.01	0.00	78.43

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Propylene		Toluene	Trichloro-ethylene	Vinyl chloride	Arsenic	Cadmium	Chromium	Diesel PM (DPM)
		oxide	Styrene							
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	0.00	1.09	60.58	0.00	0.00	0.00	0.00	0.02	0.12
850	Off-Road Recreational Vehicles	0.00	0.18	14.19	0.00	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	0.00	2.73	148.02	0.00	0.00	0.00	0.00	0.06	170.95
870	Farm Equipment	0.00	0.09	3.24	0.00	0.00	0.00	0.00	0.00	36.94
890	Fuel Storage and Handling	0.00	0.00	4.45	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	4.71	236.35	0.00	0.00	0.00	0.01	0.11	286.43
Total	Stationary	0.01	126.31	709.02	12.29	26.65	1.53	1.47	12.27	5.94
Total	On-Road Vehicles	0.00	7.88	388.84	0.00	0.00	0.01	0.00	1.84	412.55
Total	Other Mobile	0.00	4.71	236.35	0.00	0.00	0.00	0.01	0.11	286.43
Total	Anthropogenic	0.01	138.90	1334.21	12.29	26.65	1.54	1.49	14.22	704.93

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Elemental		Hexavalent			Organic			
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon	Selenium	Silicon
Fuel Combustion										
10	Electric Utilities	0.04	0.80	0.79	0.00	0.00	0.01	20.93	0.00	0.55
20	Cogeneration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	0.24	0.83	0.80	0.00	0.00	0.01	13.85	0.00	0.42
52	Food and Agricultural Processing	0.00	0.09	0.09	0.00	0.00	0.00	0.42	0.00	0.04
60	Service and Commercial	1.93	3.37	3.28	0.00	0.01	0.04	35.13	0.00	1.12
99	Other (Fuel Combustion)	3.42	3.19	3.05	0.00	0.00	0.00	11.59	0.00	3.64
	Total	5.63	8.29	8.00	0.00	0.01	0.06	81.93	0.00	5.77
Waste Disposal										
110	Sewage Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.12	0.12	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	0.00	0.12	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Cleaning and Surface Coatings										
210	Laundering	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	1.44	1.33	0.00	0.00	0.00	32.24	0.00	10.89
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	1.44	1.33	0.00	0.00	0.00	32.24	0.00	10.89
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Elemental		Hexavalent		Organic			Silicon	
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon		Selenium
330	Petroleum Marketing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes										
410	Chemical	0.00	0.00	0.00	0.00	0.00	0.01	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	0.00	4.97	5.06	0.00	0.00	0.17	0.02	0.00	138.74
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	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)	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.00	1.23
	Total	0.00	4.98	5.06	0.00	0.00	0.18	0.06	0.00	139.97
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	0.01	0.01	0.00	0.00	0.00	0.28	0.00	0.10
	Total	0.00	0.01	0.01	0.00	0.00	0.00	0.28	0.00	0.10
Miscellaneous Processes										
610	Residential Fuel Combustion	0.00	119.17	86.11	0.00	0.01	0.06	328.43	0.04	0.19
620	Farming Operations	0.00	8.09	0.44	0.00	0.11	0.09	49.39	0.00	345.83
630	Construction and Demolition	0.00	207.45	13.58	0.00	24.99	2.65	1971.97	0.09	8533.57
640	Paved Road Dust	0.00	135.16	9.33	0.00	2.17	0.21	1046.25	0.04	5318.19
645	Unpaved Road Dust	0.00	6.84	0.40	0.00	0.76	0.22	197.96	0.02	1909.04
650	Fugitive Windblown Dust	0.00	8.47	0.52	0.00	1.86	0.20	99.91	0.00	670.83
660	Fires	0.00	5.11	4.53	0.00	0.00	0.00	4.30	0.00	0.99
670	Waste Burning and Disposal	0.00	3.98	3.55	0.00	0.00	0.00	7.77	0.00	0.15

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Elemental		Hexavalent			Organic			
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon	Selenium	Silicon
690	Cooking	0.00	27.07	27.07	0.00	0.07	0.02	348.00	0.00	1.34
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	521.36	145.54	0.00	29.98	3.44	4054.00	0.19	16780.13
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	1.75	46.61	18.38	0.01	0.06	0.36	123.68	0.01	37.38
722	Light Duty Trucks 1 (T1)	0.23	4.65	2.08	0.00	0.01	0.03	11.80	0.00	3.35
723	Light Duty Trucks 2 (T2)	0.08	18.79	7.41	0.00	0.02	0.15	49.66	0.01	15.05
724	Medium Duty Trucks (T3)	0.35	13.29	5.27	0.00	0.02	0.10	35.24	0.00	10.62
732	Light Heavy Duty Gas Trucks 1 (T4)	0.00	1.20	0.46	0.00	0.00	0.01	3.65	0.00	1.53
733	Light Heavy Duty Gas Trucks 2 (T5)	0.00	0.33	0.12	0.00	0.00	0.00	1.04	0.00	0.46
734	Medium Heavy Duty Gas Trucks (T6)	0.00	0.73	0.27	0.00	0.00	0.01	2.31	0.00	1.03
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.00	0.08	0.03	0.00	0.00	0.00	0.21	0.00	0.05
742	Light Heavy Duty Diesel Trucks 1 (T4)	5.81	2.74	1.91	0.00	0.00	0.01	7.70	0.00	1.35
743	Light Heavy Duty Diesel Trucks 2 (T5)	2.52	1.22	0.84	0.00	0.00	0.01	3.48	0.00	0.67
744	Medium Heavy Duty Diesel Truck (T6)	89.57	23.49	20.33	0.00	0.00	0.05	30.93	0.00	4.94
746	Heavy Heavy Duty Diesel Trucks (HHD)	287.22	90.74	66.54	0.00	0.03	0.14	140.66	0.01	13.34
750	Motorcycles (MCY)	0.00	0.32	0.14	0.00	0.00	0.00	0.83	0.00	0.17
760	Diesel Urban Buses (UB)	0.23	0.37	0.15	0.00	0.00	0.00	0.97	0.00	0.20
762	Gas Urban Buses (UB)	0.00	0.24	0.07	0.00	0.00	0.00	0.58	0.00	0.11
771	Gas School Buses (SB)	0.00	0.14	0.06	0.00	0.00	0.00	0.57	0.00	0.34
772	Diesel School Buses (SB)	0.56	0.34	0.16	0.00	0.00	0.01	1.36	0.00	0.67
777	Gas Other Buses (OB)	0.00	0.19	0.07	0.00	0.00	0.00	0.60	0.00	0.27
778	Motor Coaches	0.95	0.15	0.12	0.00	0.00	0.00	0.43	0.00	0.06
779	Diesel Other Buses (OB)	1.71	0.33	0.24	0.00	0.00	0.00	0.95	0.00	0.18
780	Motor Homes (MH)	1.34	0.55	0.42	0.00	0.00	0.00	1.55	0.00	0.26
	Total	392.34	206.49	125.09	0.02	0.15	0.90	418.19	0.03	92.00
Other Mobile Sources										
810	Aircraft	0.00	11.31	9.54	0.00	0.03	0.04	30.81	0.00	0.58
820	Trains	71.63	20.17	18.94	0.00	0.00	0.00	53.89	0.00	0.23

Table VIII-3. 2018 Air Toxics Emissions (lbs/day) by Major Sources Category for the Coachella Valley

Code	Source Category	Elemental		Hexavalent		Organic				
		DPM2.5	carbon (EC)	EC2.5	chromium	Lead	Nickel	carbon	Selenium	Silicon
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	0.10	8.11	5.54	0.00	0.06	0.06	31.12	0.00	0.82
850	Off-Road Recreational Vehicles	0.00	0.36	0.25	0.00	0.00	0.00	1.40	0.00	0.04
860	Off-Road Equipment	157.14	126.58	111.46	0.00	0.16	0.16	120.88	0.00	2.52
870	Farm Equipment	34.08	23.20	21.34	0.00	0.00	0.00	9.83	0.00	0.11
890	Fuel Storage and Handling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	262.96	189.73	167.06	0.01	0.26	0.27	247.94	0.00	4.29
Total	Stationary	5.63	536.19	160.06	0.00	30.00	3.69	4168.51	0.19	16936.87
Total	On-Road Vehicles	392.34	206.49	125.09	0.02	0.15	0.90	418.19	0.03	92.00
Total	Other Mobile	262.96	189.73	167.06	0.01	0.26	0.27	247.94	0.00	4.29
Total	Anthropogenic	660.93	932.41	452.22	0.02	30.40	4.86	4834.63	0.23	17033.16

Table VIII-4. 2018 Criteria Emissions (tons/day) by Major Source Category for the Coachella Valley

Code	Source Category	TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5	NH3
Fuel Combustion										
10	Electric Utilities	0.07	0.01	0.03	0.00	0.00	0.02	0.02	0.02	0.02
20	Cogeneration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	Oil and Gas Production (combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	Petroleum Refining (Combustion)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Manufacturing and Industrial	0.25	0.16	0.39	0.29	0.02	0.01	0.01	0.01	0.00
52	Food and Agricultural Processing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	Service and Commercial	0.29	0.13	0.39	0.31	0.01	0.03	0.03	0.03	0.01
99	Other (Fuel Combustion)	0.03	0.02	0.12	0.60	0.15	0.03	0.03	0.02	0.00
	Total	0.65	0.31	0.94	1.20	0.19	0.08	0.08	0.08	0.04
Waste Disposal										
110	Sewage Treatment	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	Incineration	0.00	0.00	0.00	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)	8.99	0.72	0.00	0.00	0.00	0.00	0.00	0.00	0.12
	Total	9.01	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.13
Cleaning and Surface Coatings										
210	Laundering	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
220	Degreasing	1.59	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
230	Coatings and Related Processes	1.32	1.27	0.00	0.00	0.00	0.07	0.07	0.07	0.00
240	Printing	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
250	Adhesives and Sealants	0.27	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	Other (Cleaning and Surface Coatings)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	3.33	1.82	0.00	0.00	0.00	0.07	0.07	0.07	0.00
Petroleum Production and Marketing										
310	Oil and Gas Production	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
320	Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-4. 2018 Criteria Emissions (tons/day) by Major Source Category for the Coachella Valley

Code	Source Category	TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5	NH3
330	Petroleum Marketing	1.35	0.34	0.00	0.00	0.00	0.00	0.00	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	1.35	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Processes										
410	Chemical	0.12	0.09	0.00	0.00	0.00	0.01	0.01	0.01	0.00
420	Food and Agriculture	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
430	Mineral Processes	0.02	0.02	0.00	0.00	0.00	0.24	0.09	0.03	0.00
440	Metal Processes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
450	Wood and Paper	0.00	0.00	0.00	0.00	0.00	0.23	0.16	0.09	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)	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.02
	Total	0.24	0.20	0.00	0.00	0.00	0.48	0.26	0.14	0.02
Solvent Evaporation										
510	Consumer Products	3.09	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520	Architectural Coatings and Related Solvent	0.38	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
530	Pesticides/Fertilizers	0.30	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.57
540	Asphalt Paving/Roofing	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	3.83	3.30	0.00	0.00	0.00	0.00	0.00	0.00	0.57
Miscellaneous Processes										
610	Residential Fuel Combustion	0.94	0.41	2.13	0.38	0.02	0.30	0.29	0.28	0.00
620	Farming Operations	0.68	0.05	0.00	0.00	0.00	0.92	0.42	0.06	0.27
630	Construction and Demolition	0.00	0.00	0.00	0.00	0.00	22.43	10.97	1.10	0.00
640	Paved Road Dust	0.00	0.00	0.00	0.00	0.00	8.76	4.00	0.60	0.00
645	Unpaved Road Dust	0.00	0.00	0.00	0.00	0.00	2.94	1.75	0.17	0.00
650	Fugitive Windblown Dust	0.00	0.00	0.00	0.00	0.00	1.73	0.92	0.13	0.00
660	Fires	0.01	0.01	0.08	0.00	0.00	0.01	0.01	0.01	0.00
670	Waste Burning and Disposal	0.01	0.01	0.09	0.00	0.00	0.01	0.01	0.01	0.00
690	Cooking	0.06	0.05	0.00	0.00	0.00	0.26	0.26	0.26	0.00

Table VIII-4. 2018 Criteria Emissions (tons/day) by Major Source Category for the Coachella Valley

Code	Source Category	TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5	NH3
699	Other (Miscellaneous Processes)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81
	RECLAIM				0.11	0.00				
	Total	1.71	0.52	2.29	0.49	0.02	37.36	18.62	2.63	1.08
Onroad Motor Vehicles										
710	Light Duty Passenger Auto (LDA)	1.10	1.03	8.93	0.67	0.02	0.34	0.33	0.14	0.18
722	Light Duty Trucks 1 (T1)	0.26	0.24	1.86	0.18	0.00	0.03	0.03	0.01	0.02
723	Light Duty Trucks 2 (T2)	0.63	0.58	5.47	0.58	0.01	0.14	0.13	0.06	0.11
724	Medium Duty Trucks (T3)	0.53	0.48	4.40	0.50	0.01	0.10	0.09	0.04	0.12
732	Light Heavy Duty Gas Trucks 1 (T4)	0.09	0.08	0.30	0.08	0.00	0.01	0.01	0.01	0.01
733	Light Heavy Duty Gas Trucks 2 (T5)	0.02	0.02	0.06	0.02	0.00	0.00	0.00	0.00	0.00
734	Medium Heavy Duty Gas Trucks (T6)	0.03	0.03	0.32	0.07	0.00	0.01	0.01	0.00	0.00
736	Heavy Heavy Duty Gas Trucks ((HHD)	0.03	0.02	0.78	0.12	0.00	0.00	0.00	0.00	0.00
742	Light Heavy Duty Diesel Trucks 1 (T4)	0.02	0.01	0.10	0.46	0.00	0.01	0.01	0.01	0.00
743	Light Heavy Duty Diesel Trucks 2 (T5)	0.01	0.01	0.04	0.19	0.00	0.01	0.01	0.00	0.00
744	Medium Heavy Duty Diesel Truck (T6)	0.06	0.06	0.22	1.24	0.00	0.09	0.09	0.06	0.01
746	Heavy Heavy Duty Diesel Trucks (HHD)	0.35	0.29	1.78	7.79	0.02	0.30	0.30	0.20	0.04
750	Motorcycles (MCY)	0.42	0.37	2.20	0.11	0.00	0.00	0.00	0.00	0.00
760	Diesel Urban Buses (UB)	0.11	0.01	0.53	0.04	0.00	0.00	0.00	0.00	0.00
762	Gas Urban Buses (UB)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
771	Gas School Buses (SB)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
772	Diesel School Buses (SB)	0.00	0.00	0.00	0.06	0.00	0.01	0.01	0.00	0.00
777	Gas Other Buses (OB)	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00
778	Motor Coaches	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
779	Diesel Other Buses (OB)	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
780	Motor Homes (MH)	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00
	Total	3.65	3.22	27.07	12.19	0.07	1.06	1.04	0.54	0.49
Other Mobile Sources										
810	Aircraft	0.08	0.08	1.28	0.24	0.03	0.03	0.03	0.03	0.00
820	Trains	0.11	0.10	0.68	2.36	0.00	0.04	0.04	0.04	0.00
833	Ocean Going Vessels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table VIII-4. 2018 Criteria Emissions (tons/day) by Major Source Category for the Coachella Valley

		TOG	VOC	CO	NOx	SOx	TSP	PM10	PM2.5	NH3
Code	Source Category									
835	Commercial Harbor Crafts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
840	Recreational Boats	0.50	0.43	1.61	0.09	0.00	0.03	0.03	0.02	0.00
850	Off-Road Recreational Vehicles	0.24	0.23	0.38	0.01	0.00	0.00	0.00	0.00	0.00
860	Off-Road Equipment	1.60	1.41	16.08	2.08	0.00	0.16	0.15	0.13	0.00
870	Farm Equipment	0.07	0.06	0.57	0.30	0.00	0.02	0.02	0.02	0.00
890	Fuel Storage and Handling	0.17	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	2.77	2.47	20.59	5.08	0.04	0.28	0.27	0.23	0.01
Total	Stationary	20.12	7.21	3.23	1.70	0.20	37.99	19.03	2.91	1.85
Total	On-Road Vehicles	3.65	3.22	27.07	12.19	0.07	1.06	1.04	0.54	0.49
Total	Other Mobile	2.77	2.47	20.59	5.08	0.04	0.28	0.27	0.23	0.01
Total	Anthropogenic	26.54	12.91	50.90	18.97	0.31	39.34	20.34	3.68	2.34