

**Monthly Average Elemental Carbon Concentrations Measured in the  
Port of Los Angeles Monitoring Network**

**February 2005 - March 2026**

Month	Port of Los Angeles Monitoring Sites			
	Wilmington Community Site	Coastal Boundary Site	San Pedro Community Site	Source- Dominated Site
	Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )	Conc. ( $\mu\text{g}/\text{m}^3$ )
Feb-05	1.57	1.01	1.46	--
Mar-05	0.88	0.81	0.73	--
Apr-05	0.95	0.58	1.00	0.29
May-05	0.91	0.55	0.92	1.25
Jun-05	0.73	0.36	0.62	1.01
Jul-05	1.01	0.51	0.95	1.22
Aug-05	0.98	0.55	1.19	1.71
Sep-05	1.56	1.07	1.74	2.76
Oct-05	1.72	1.14	1.73	3.50
Nov-05	2.18	2.04	2.27	3.91
Dec-05	3.26	2.13	2.87	4.50
Jan-06	2.32	1.84	2.31	3.21
Feb-06	2.12	1.66	1.51	3.29
Mar-06	0.94	0.44	0.92	1.62
Apr-06	0.85	0.53	0.73	1.48
May-06	0.93	0.51	0.81	1.20
Jun-06	1.00	0.61	1.27	1.57
Jul-06	1.10	0.77	1.14	1.65
Aug-06	0.92	0.56	1.03	1.52
Sep-06	1.42	0.70	1.82	1.95

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Oct-06	1.92	1.13	1.62	3.07
Nov-06	2.73	2.34	2.67	4.68
Dec-06	3.26	2.30	2.38	4.52
Jan-07	3.57	2.11	2.49	4.39
Feb-07	1.71	1.45	1.89	3.24
Mar-07	1.22	1.24	1.36	1.85
Apr-07	0.67	0.41	0.79	1.16
May-07	0.87	0.50	0.92	0.77
Jun-07	0.68	0.95	0.80	1.01
Jul-07	0.75	1.24	0.72	0.93
Aug-07	0.87	1.17	1.22	1.44
Sep-07	1.11	0.64	1.33	1.72
Oct-07	1.58	1.28	1.95	3.01
Nov-07	2.67	1.61	2.26	3.36
Dec-07	3.13	1.77	2.25	3.37
Jan-08	1.66	1.03	1.56	2.70
Feb-08	1.54	1.59	1.58	3.04
Mar-08	0.90	0.77	1.10	1.78
Apr-08	0.68	0.50	0.75	1.18
May-08	0.57	0.36	0.64	0.86
Jun-08	0.62	0.39	0.94	1.08
Jul-08	0.53	0.35	0.78	0.96
Aug-08	0.55	0.43	0.74	0.99

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Sep-08	0.74	0.59	1.30	1.96
Oct-08	1.22	1.40	2.03	2.84
Nov-08	0.87	1.74	1.79	2.59
Dec-08	1.42	1.07	1.23	2.28
Jan-09	1.87	1.51	1.71	3.06
Feb-09	0.94	0.64	1.01	1.39
Mar-09	0.72	0.51	0.89	1.17
Apr-09	0.61	0.34	0.77	0.70
May-09	0.42	0.20	0.50	0.45
Jun-09	0.29	0.11	0.34	0.53
Jul-09	0.49	0.26	0.73	0.65
Aug-09	0.52	0.39	0.94	0.86
Sep-09	0.61	0.36	0.86	0.87
Oct-09	0.79	0.46	0.82	1.02
Nov-09	1.46	1.26	1.56	2.34
Dec-09	2.00	1.54	1.88	2.50
Jan-10	1.62	1.41	1.92	2.31
Feb-10	0.98	0.65	1.14	1.38
Mar-10	0.51	0.49	0.69	0.82
Apr-10	0.42	0.25	0.47	0.65
May-10	0.35	0.15	0.34	0.44
Jun-10	0.33	0.12	0.31	0.34
Jul-10	0.45	0.17	0.51	0.52

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Aug-10	0.50	0.27	0.77	0.79
Sep-10	0.67	0.35	0.83	0.95
Oct-10	0.70	0.36	0.67	0.87
Nov-10	1.18	0.91	1.14	1.63
Dec-10	1.87	1.15	1.82	1.67
Jan-11	1.56	1.31	1.78	1.91
Feb-11	0.91	0.74	0.81	1.09
Mar-11	0.79	0.47	0.81	0.89
Apr-11	0.42	0.43	0.55	0.59
May-11	0.33	0.37	0.56	0.52
Jun-11	0.36	0.14	0.42	0.36
Jul-11	0.37	0.15	0.38	0.37
Aug-11	0.49	0.18	0.48	0.50
Sep-11	0.51	0.27	0.46	0.74
Oct-11	0.75	0.52	0.75	1.04
Nov-11	1.29	1.12	1.18	2.10
Dec-11	1.55	1.17	1.21	2.52
Jan-12	1.39	1.15	0.61	2.30
Feb-12	0.54	0.62	0.55	1.21
Mar-12	0.29	0.36	0.63	0.44
Apr-12	0.30	0.10	0.36	0.50
May-12	0.24	0.07	0.24	0.14
Jun-12	0.24	0.09	0.36	0.25

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Jul-12	0.37	0.11	0.49	0.33
Aug-12	0.34	0.24	0.69	0.55
Sep-12	0.33	0.19	0.91	0.80
Oct-12	0.25	0.35	0.54	0.83
Nov-12	0.63	0.50	0.83	0.92
Dec-12	0.78	0.68	0.98	1.44
Jan-13	1.64	1.08	1.40	1.92
Feb-13	0.62	0.45	0.63	0.99
Mar-13	0.55	0.31	0.58	0.61
Apr-13	0.29	0.19	0.44	0.32
May-13	0.26	0.14	0.39	0.30
Jun-13	0.23	0.09	0.28	0.29
Jul-13	0.35	0.15	0.53	0.49
Aug-13	0.42	0.14	0.66	--
Sep-13	0.59	0.26	0.88	0.80
Oct-13	0.71	0.47	0.84	1.03
Nov-13	1.00	0.66	0.91	1.13
Dec-13	2.06	0.93	1.31	1.61
Jan-14	2.26	1.31	1.82	2.39
Feb-14	0.86	0.49	0.83	1.05
Mar-14	0.59	0.26	0.66	0.85
Apr-14	0.48	0.21	0.72	0.58
May-14	0.20	0.18	0.34	0.29

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Jun-14	0.24	0.10	0.43	0.24
Jul-14	0.24	0.14	0.42	0.38
Aug-14	0.31	0.18	0.55	0.49
Sep-14	0.31	0.30	0.84	0.74
Oct-14	0.84	0.42	0.87	0.87
Nov-14	1.35	0.86	1.30	1.40
Dec-14	1.42	0.88	1.16	1.27
Jan-15	1.37	1.49	1.19	1.16
Feb-15	0.87	--	0.94	0.90
Mar-15	0.79	--	0.86	0.70
Apr-15	0.47	0.28	0.60	0.54
May-15	0.22	0.08	0.22	0.22
Jun-15	0.31	0.54	0.32	0.22
Jul-15	0.21	0.10	0.15	0.19
Aug-15	0.27	0.24	0.45	0.30
Sep-15	0.62	0.31	0.64	0.47
Oct-15	0.67	0.51	0.75	0.68
Nov-15	0.96	0.97	1.09	0.82
Dec-15	1.09	0.67	0.98	0.78
Jan-16	1.08	0.67	0.97	0.78
Feb-16	0.99	0.76	0.82	0.79
Mar-16	0.49	0.38	0.47	0.33
Apr-16	0.38	0.58	0.42	0.35

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May-16	0.26	0.38	0.18	0.16
Jun-16	0.46	0.42	0.45	0.34
Jul-16	0.23	0.28	0.35	0.24
Aug-16	0.25	0.32	0.32	0.26
Sep-16	0.41	0.13	0.59	0.42
Oct-16	0.67	0.40	0.71	0.57
Nov-16	1.27	0.72	1.00	1.00
Dec-16	1.01	0.63	0.87	0.77
Jan-17	1.12	0.61	0.94	0.82
Feb-17	0.56	0.27	0.63	0.51
Mar-17	0.55	0.38	0.63	0.64
Apr-17	0.34	0.17	0.38	0.38
May-17	0.21	0.17	0.23	0.28
June-17	0.29	0.18	0.35	0.36
July-17	0.25	0.16	0.37	0.24
Aug-17	0.29	0.19	0.37	0.28
Sep-17	0.53	0.44	0.61	0.42
Oct-17	0.74	0.39	0.71	0.56
Nov-17	1.00	0.61	1.09	0.86
Dec-17	2.17	0.94	1.46	1.41
Jan-18	1.20	0.86	1.12	1.11
Feb-18	1.07	0.65	0.66	0.81
Mar-18	0.52	0.30	0.41	0.40

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Apr-18	0.36	0.24	0.38	0.30
May-18	0.24	0.10	0.29	0.18
Jun-18	0.13	0.14	0.32	0.26
Jul-18	0.16	0.23	0.40	0.29
Aug-18	0.47	0.47	0.52	0.41
Sep-18	0.47	0.29	0.53	0.47
Oct-18	0.73	0.61	0.78	0.62
Nov-18	1.55	0.98	1.34	1.13
Dec-18	1.51	0.83	1.13	1.10
Jan-19	0.97	0.73	0.99	1.01
Feb-19	0.59	0.39	0.43	0.52
Mar-19	0.47	0.33	0.49	0.47
Apr-19	0.16	0.11	0.33	0.19
May-19	0.17	0.21	0.25	0.20
Jun-19	0.12	0.14	0.31	0.21
July-19	0.20	0.18	0.44	0.29
Aug-19	0.33	0.29	0.51	0.36
Sep-19	0.39	0.31	0.62	0.40
Oct-19	0.64	0.59	0.75	0.77
Nov-19	0.87	0.72	0.99	0.91
Dec-19	0.98	0.69	0.95	0.96
Jan-20	1.22	0.83	1.17	1.04
Feb-20	0.83	0.78	0.80	0.75

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Mar-20	0.34	0.18	0.36	0.31
Apr-20	0.33	0.26	0.34	0.30
May-20	0.28	--	0.39	0.36
Jun-20	0.31	--	0.33	0.22
Jul-20	0.27	--	0.38	0.32
Aug-20	0.44	--	0.61	0.45
Sep-20	1.10	--	1.32	0.92
Oct-20	1.06	--	1.19	0.94
Nov-20	1.28	--	1.08	1.17
Dec-20	1.52	--	1.30	1.19
Jan-21	1.21	--	1.02	0.93
Feb-21	0.79	--	0.68	0.63
Mar-21	0.43	--	0.50	0.56
Apr-21	0.41	--	0.39	0.46
May-21	0.14	--	0.17	--
Jun-21	0.28	--	0.18	--
Jul-21	0.41	--	0.45	--
Aug-21	0.58	--	0.71	--
Sep-21	0.48	--	0.66	--
Oct-21	0.68	--	0.81	--
Nov-21	1.10	--	1.16	--
Dec-21	1.24	--	0.80	--
Jan-22	1.25	--	1.23	--

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Feb-22	0.87	--	0.87	--
Mar-22	0.65	--	0.66	--
Apr-22	0.37	--	0.39	--
May-22	0.31	0.17	0.32	0.26
Jun-22	0.23	0.11	0.30	0.27
Jul-22	0.16	0.15	0.25	0.29
Aug-22	0.34	0.26	0.58	0.44
Sep-22	0.53	0.36	0.63	0.44
Oct-22	0.51	0.45	0.58	0.58
Nov-22	1.08	0.68	0.85	0.84
Dec-22	1.00	0.91	0.86	0.88
Jan-23	0.64	0.55	0.62	0.56
Feb-23	0.58	0.58	0.55	0.48
Mar-23	0.34	0.18	0.28	0.25
Apr-23	0.31	0.24	0.30	0.29
May-23	0.21	0.36	0.28	0.24
Jun-23	0.19	0.12	0.27	0.22
Jul-23	0.19	0.23	0.39	0.21
Aug-23	0.33	0.31	0.38	0.31
Sep-23	0.23	0.30	0.35	0.29
Oct-23	0.50	0.38	0.60	0.56
Nov-23	0.94	0.69	0.85	0.82
Dec-23	1.09	0.88	1.01	0.95

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Jan-24	0.98	0.63	0.73	0.64
Feb-24	0.40	0.36	0.38	0.43
Mar-24	0.29	0.19	0.30	0.26
Apr-24	0.28	0.24	0.34	0.29
May-24	0.20	0.09	0.22	0.15
Jun - 24	0.23	0.11	0.22	0.21
Jul - 24	0.28	0.19	0.38	0.30
Aug - 24	0.22	0.12	0.28	0.16
Sep - 24	0.20	0.16	0.47	0.27
Oct - 24	0.53	0.37	0.51	0.57
Nov - 24	0.78	0.62	0.77	0.77
Dec - 24	1.08	0.83	0.87	1.01
Jan - 25	1.19	0.73	0.96	0.88
Feb - 25	0.49	0.42	0.59	0.52
Mar - 25	0.38	0.36	0.38	0.30
Apr - 25	0.34	0.19	0.34	0.32
May - 25	0.17	0.63	0.26	0.14
Jun - 25	0.12	0.13	0.18	0.16
Jul - 25	0.21	0.11	0.29	0.18
Aug - 25	0.27	0.17	0.29	0.24
Sep - 25	0.23	0.17	0.30	0.21
Oct - 25	0.40	0.31	0.45	0.35
Nov - 25	0.51	0.53	0.55	0.44
Dec - 25	0.74	0.58	0.82	0.66
Jan - 26	0.70	0.79	0.83	0.72

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Feb - 26	0.47	0.42	0.67	0.61
Mar - 26	0.31	0.26	0.38	0.30

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2005	1.43	0.98	1.43	2.46
2006	1.63	1.15	1.54	2.48
2007	1.56	1.21	1.49	2.19
2008	0.95	0.80	1.23	1.85
2009	0.90	0.63	1.01	1.30
2010	0.81	0.53	0.85	1.04
2011	0.74	0.55	0.73	1.02
2012	0.45	0.37	0.60	0.82
2013	0.74	0.41	0.74	0.83
2014	0.77	0.44	0.85	0.86
2015	0.67	0.47	0.69	0.58
2016	0.62	0.48	0.60	0.50
2017	0.65	0.37	0.65	0.56
2018	0.71	0.47	0.66	0.59
2019	0.49	0.39	0.59	0.53
2020	0.74	--	0.77	0.67
2021	0.65	--	0.63	--
2022	0.61	0.39	0.63	0.50
2023	0.45	0.39	0.48	0.42
2024	0.46	0.31	0.46	0.41
2025	0.42	0.36	0.46	0.37
2026	0.50	0.50	0.69	0.55

- Elemental Carbon (EC) is considered to be a surrogate for diesel particulate matter (DPM).
- No health-based federal/state standards have been established for EC.
- The EC average for 2005 is based on 11 months of data (Feb-Dec).
- EC monitoring at Coastal Boundary Station suspended April 25, 2020 to May 1, 2022.
- EC monitoring at Source-Dominated Station suspended May 1, 2021 to May 1, 2022.
- Annual EC average for 2022 is based on 12 months of data (Jan-December) for Wilmington and San Pedro Community stations.
- Annual EC average for 2022 is based on 8 months of data (May-December) for Source-Dominated and Coastal Boundary stations.
- Annual EC average for 2026 is based on data from January to March 2026.

