

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

**February 2005 – April 2022**

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	--

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<b>Annual Averages</b>				
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	0.78	--	0.79	--
<ul style="list-style-type: none"> <li>Elemental Carbon (EC) is considered to be a surrogate for diesel particulate matter (DPM).</li> <li>No health-based federal/state standards have been established for EC.</li> <li>The EC average for 2005 is based on 11 months of data (Feb-Dec).</li> <li>Monitoring at the Coastal Boundary Station was suspended on April 25, 2020.</li> <li>Monitoring at the Source-Dominated Station was suspended on May 1, 2021.</li> <li>The EC average for 2022 is based on 4 months of data (Jan-April).</li> </ul>				