

**Annual Ambient Monitoring Report Petrochemicals Industry Standard,
2025 Reporting Year**

DPCC Average 1,3 Butadiene Concentrations:

Monitor #	Location	2022	2023	2024	2025
1	E 0383543 N 4755905	1.12	0.73	1.16	0.83
2	E 0383543 N 4755905	1.00	1.08	1.21	1.00
3	E 0384093 N 4755833	1.24	1.41	1.01	0.96
4	E 0383953 N 4755328	1.19	0.82	0.40	0.25
5	E 0383589 N 4755252	0.40	0.40	0.22	0.22
6	E 0383213 N 4755589	0.22	0.36	0.18	0.20

DPCC Monitor Location Map:



2025 1,3 Butadiene Monitoring Results

Diamond Petrochemicals Canada Corporation: 1,3-Butadiene Fenceline Monitoring - 2025								
Monitor Location #1		E 0383543 N 4755905	Monitor Location #2		E 0383781 N 4756013	Monitor Location #3		E 0384093 N 4755833
Sample Start Date	Sample End Date	1,3-Butadiene ($\mu\text{g}/\text{m}^3$)	Sample Start Date	Sample End Date	1,3-Butadiene ($\mu\text{g}/\text{m}^3$)	Sample Start Date	Sample End Date	1,3-Butadiene ($\mu\text{g}/\text{m}^3$)
December 18, 2024	January 2, 2025**	<0.33	December 18, 2024	January 2, 2025**	<0.33	December 18, 2024	January 2, 2025**	<0.33
January 2, 2025**	January 15, 2025	<0.37	January 2, 2025**	January 15, 2025	<0.37	January 2, 2025**	January 15, 2025	1.16
January 15, 2025	January 29, 2025	0.440	January 15, 2025	January 29, 2025	0.612	January 15, 2025	January 29, 2025	1.27
January 29, 2025	February 12, 2025	0.359	January 29, 2025	February 12, 2025	<0.34	January 29, 2025	February 12, 2025	0.478
February 12, 2025	February 26, 2025	<0.34	February 12, 2025	February 26, 2025	0.852	February 12, 2025	February 26, 2025	1.64
February 26, 2025	March 12, 2025	0.632	February 26, 2025	March 12, 2025	2.71	February 26, 2025	March 12, 2025	1.72
March 12, 2025	March 26, 2025	<0.34	March 12, 2025	March 26, 2025	1.42	March 12, 2025	March 26, 2025	0.437
March 26, 2025	April 9, 2025	<0.34	March 26, 2025	April 9, 2025	0.43	March 26, 2025	April 9, 2025	0.355
April 9, 2025	April 23, 2025	0.700	April 9, 2025	April 23, 2025	2.14	April 9, 2025	April 23, 2025	2.17
April 23, 2025	May 7, 2025	<0.335	April 23, 2025	May 7, 2025	0.344	April 23, 2025	May 7, 2025	0.335
May 7, 2025	May 21, 2025	0.447	May 7, 2025	May 21, 2025	0.505	May 7, 2025	May 21, 2025	0.356
May 21, 2025	June 4, 2025	0.385	May 21, 2025	June 4, 2025	0.577	May 21, 2025	June 4, 2025	0.978
June 4, 2025	June 18, 2025	<0.33	June 4, 2025	June 18, 2025	<0.33	June 4, 2025	June 18, 2025	<0.33
June 18, 2025	July 2, 2025	0.415	June 18, 2025	July 2, 2025	1.38	June 18, 2025	July 2, 2025	1.28
July 2, 2025	July 16, 2025	<0.33	July 2, 2025	July 16, 2025	1.63	July 2, 2025	July 16, 2025	0.547
July 16, 2025	July 30, 2025	<0.33	July 16, 2025	July 30, 2025	0.456	July 16, 2025	July 30, 2025	<0.33
July 30, 2025	August 13, 2025	0.448	July 30, 2025	August 13, 2025	1.86	July 30, 2025	August 13, 2025	0.416
August 13, 2025	August 27, 2025	0.376	August 13, 2025	August 27, 2025	0.989	August 13, 2025	August 27, 2025	0.548
August 27, 2025	September 10, 2025	0.726	August 27, 2025	September 10, 2025	1.96	August 27, 2025	September 10, 2025	1.19
September 10, 2025	September 24, 2025	0.465	September 10, 2025	September 24, 2025	0.718	September 10, 2025	September 24, 2025	<0.33
September 24, 2025	October 8, 2025	0.447	September 24, 2025	October 8, 2025	1.23	September 24, 2025	October 8, 2025	<0.33
October 8, 2025	October 22, 2025	<0.33	October 8, 2025	October 22, 2025	0.962	October 8, 2025	October 22, 2025	0.382
October 22, 2025	November 5, 2025	14.1	October 22, 2025	November 5, 2025	2.47	October 22, 2025	November 5, 2025	6.18
November 5, 2025	November 19, 2025	<0.34	November 5, 2025	November 19, 2025	1.36	November 5, 2025	November 19, 2025	2.03
November 19, 2025	December 3, 2025	<0.34	November 19, 2025	December 3, 2025	0.40	November 19, 2025	December 3, 2025	<0.34
December 3, 2025	December 17, 2025	<0.34	December 3, 2025	December 17, 2025	0.801	December 3, 2025	December 17, 2025	1.16
December 17, 2025	December 31, 2025	<0.34	December 17, 2025	December 31, 2025	0.392	December 17, 2025	December 31, 2025	<0.34
Average		0.83	Average		1.00	Average		0.96
Monitor Location #4		E 0383953 N 4755328	Monitor Location #5		E 0383589 N 4755252	Monitor Location #6		E 0383213 N 4755589
Sample Start Date	Sample End Date	1,3-Butadiene ($\mu\text{g}/\text{m}^3$)	Sample Start Date	Sample End Date	1,3-Butadiene ($\mu\text{g}/\text{m}^3$)	Sample Start Date	Sample End Date	1,3-Butadiene ($\mu\text{g}/\text{m}^3$)
December 18, 2024	January 2, 2025**	<0.33	December 18, 2024	January 2, 2025**	<0.33	December 18, 2024	January 2, 2025**	<0.33
January 2, 2025**	January 15, 2025	<0.37	January 2, 2025**	January 15, 2025	<0.37	January 2, 2025**	January 15, 2025	<0.37
January 15, 2025	January 29, 2025	<0.34	January 15, 2025	January 29, 2025	<0.34	January 15, 2025	January 29, 2025	<0.34
January 29, 2025	February 12, 2025	<0.34	January 29, 2025	February 12, 2025	<0.34	January 29, 2025	February 12, 2025	<0.34
February 12, 2025	February 26, 2025	0.383	February 12, 2025	February 26, 2025	<0.34	February 12, 2025	February 26, 2025	<0.34
February 26, 2025	March 12, 2025	<0.34	February 26, 2025	March 12, 2025	<0.34	February 26, 2025	March 12, 2025	<0.34
March 12, 2025	March 26, 2025	<0.34	March 12, 2025	March 26, 2025	<0.34	March 12, 2025	March 26, 2025	<0.34
March 26, 2025	April 9, 2025	<0.34	March 26, 2025	April 9, 2025	<0.34	March 26, 2025	April 9, 2025	<0.34
April 9, 2025	April 23, 2025	0.666	April 9, 2025	April 23, 2025	0.808	April 9, 2025	April 23, 2025	<0.34
April 23, 2025	May 7, 2025	<0.335	April 23, 2025	May 7, 2025	0.402	April 23, 2025	May 7, 2025	<0.335
May 7, 2025	May 21, 2025	<0.33	May 7, 2025	May 21, 2025	<0.33	May 7, 2025	May 21, 2025	<0.33
May 21, 2025	June 4, 2025	0.401	May 21, 2025	June 4, 2025	<0.34	May 21, 2025	June 4, 2025	<0.34
June 4, 2025	June 18, 2025	<0.33	June 4, 2025	June 18, 2025	<0.33	June 4, 2025	June 18, 2025	<0.33
June 18, 2025	July 2, 2025	0.358	June 18, 2025	July 2, 2025	<0.33	June 18, 2025	July 2, 2025	<0.33
July 2, 2025	July 16, 2025	<0.33	July 2, 2025	July 16, 2025	<0.33	July 2, 2025	July 16, 2025	<0.33
July 16, 2025	July 30, 2025	<0.33	July 16, 2025	July 30, 2025	<0.33	July 16, 2025	July 30, 2025	<0.33
July 30, 2025	August 13, 2025	0.464	July 30, 2025	August 13, 2025	0.334	July 30, 2025	August 13, 2025	<0.33
August 13, 2025	August 27, 2025	<0.33	August 13, 2025	August 27, 2025	<0.33	August 13, 2025	August 27, 2025	<0.33
August 27, 2025	September 10, 2025	0.520	August 27, 2025	September 10, 2025	<0.33	August 27, 2025	September 10, 2025	<0.33
September 10, 2025	September 24, 2025	0.490	September 10, 2025	September 24, 2025	0.465	September 10, 2025	September 24, 2025	<0.33
September 24, 2025	October 8, 2025	<0.33	September 24, 2025	October 8, 2025	<0.33	September 24, 2025	October 8, 2025	<0.33
October 8, 2025	October 22, 2025	<0.33	October 8, 2025	October 22, 2025	<0.33	October 8, 2025	October 22, 2025	<0.33
October 22, 2025	November 5, 2025	<0.33	October 22, 2025	November 5, 2025	0.510	October 22, 2025	November 5, 2025	0.861
November 5, 2025	November 19, 2025	<0.34	November 5, 2025	November 19, 2025	<0.34	November 5, 2025	November 19, 2025	<0.34
November 19, 2025	December 3, 2025	<0.34	November 19, 2025	December 3, 2025	<0.34	November 19, 2025	December 3, 2025	<0.34
December 3, 2025	December 17, 2025	<0.34	December 3, 2025	December 17, 2025	<0.34	December 3, 2025	December 17, 2025	<0.34
December 17, 2025	December 31, 2025	<0.34	December 17, 2025	December 31, 2025	<0.34	December 17, 2025	December 31, 2025	<0.34
Average		0.25	Average		0.22	Average		0.20

**Jan 1 stat, pickup Jan 2



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2025 Statistical Analysis Calculations

There is no statistically significant increase in the concentrations of 1,3 Butadiene for the 2025 reporting year. The test statistics calculated are below the Table 7-62 Column 2 values therefore no action is required as outlined S.63.