Annual Ambient Monitoring Report for Petrochemicals-Industry Standard

Average 1,3 Butadiene Concentrations and Monitor Location Map

ARLANXEO/DPCC - 2021 1, 3 Butadiene Ambient Monitoring

| Monitor # | Location | 2018 | 2019 | 2020 | 2021 |
|-----------|-----------|------|------|------|------|
| 1 | E 0383543 | 0.72 | 1.13 | 0.60 | 0.48 |
| | N 4755905 | | | | |
| 2 | E 0383781 | 3.72 | 2.37 | 2.19 | 0.99 |
| | N 4756013 | | | | |
| 3 | E 0384093 | 1.52 | 1.37 | 1.07 | 0.62 |
| | N 4756013 | | | | |
| 4 | E 0383953 | 0.41 | 0.81 | 0.63 | 0.38 |
| | N 4755328 | | | | |
| 5 | E 0383953 | 1.10 | 1.02 | 0.94 | 0.36 |
| | N 4755328 | | | | , |
| $\hat{6}$ | E 0383213 | 0.19 | 0.43 | 0.20 | 0.17 |
| | N 4755589 | | | | |



2021 1,3 Butadiene Monitoring Results

| Monitor Location #1 | | E 0383543 N 4755905 | Monitor Lo | cation #2 | E 0383781 N 4756013 | Monitor Location #3 | | E 0384093 N 4755833 |
|--|--|--|---|---|--|--|---|--|
| ample Start Date | Sample End Date | 1,3-Butadiene (ug/m³) | Sample Start Date | Sample End Date | 1,3-Butadiene (ug/m³) | Sample Start Date | Sample End Date | 1,3-Butadiene (ug/m³) |
| ecember 22/20 | January 6 | <0.31 | December 22/20 | January 6 | <0.31 | December 22/20 | January 6 | 0.42 |
| anurary 6 | January 20 | < 0.34 | Janurary 6 | January 20 | < 0.34 | Janurary 6 | January 20 | 0.35 |
| anuary 20 | February 3 | < 0.34 | January 20 | February 3 | < 0.34 | January 20 | February 3 | < 0.34 |
| ebruary 3 | February 17 | 1.43 | February 3 | February 17 | NA ⁽¹⁾ | February 3 | February 17 | NA ⁽¹⁾ |
| ebruary 17 | March 3 | < 0.34 | February 17 | March 3 | 0.63 | February 17 | March 3 | 0.54 |
| March 3 | March 17 | 0.51 | March 3 | March 17 | 0.63 | March 3 | March 17 | 0.42 |
| March 17 | March 31 | 0.49 | March 17 | March 31 | 0.67 | March 17 | March 31 | < 0.34 |
| March 31 | April 14 | 0.76 | March 31 | April 14 | 0.93 | March 31 | April 14 | 0.43 |
| pril 14 | April 28 | 0.52 | April 14 | April 28 | 1.28 | April 14 | April 28 | 0.89 |
| pril 28 | May 12 | 0.54 | April 28 | May 12 | 0.44 | April 28 | May 12 | 0.52 |
| /lay 12 | May 26 | <0.33 | May 12 | May 26 | NA ⁽²⁾ | May 12 | May 26 | 1.03 |
| /lay 26 | June 9 | <0.33 | May 26 | June 9 | 0.99 | May 26 | June 9 | 1.04 |
| une 9 | June 23 | 0.47 | June 9 | June 23 | 2.28 | June 9 | June 23 | 1.11 |
| une 23 | July 7 | <0.33 | June 23 | July 7 | 2.17 | June 23 | July 7 | 1.17 |
| uly 7 | July 21 | 0.70 | July 7 | July 21 | 0.53 | July 7 | July 21 | 0.44 |
| uly 21 | August 4 | <0.33 | July 21 | August 4 | 1.65 | July 21 | August 4 | 0.99 |
| lugust 4 | August 18 | <0.33 | August 4 | August 18 | 1.18 | August 4 | August 18 | 1.21 |
| lugust 18 | September 1 | <0.33 | August 18 | September 1 | 0.37 | August 18 | September 1 | < 0.33 |
| eptember 1 | September 15 | <0.33 | September 1 | September 15 | 0.85 | September 1 | September 15 | 0.37 |
| eptember 15 | September 29 | 0.36 | September 15 | September 29 | 1.19 | September 15 | September 29 | < 0.33 |
| eptember 29 | October 13 | 1.37 | September 29 | October 13 | 0.79 | September 29 | October 13 | < 0.33 |
| October 13 | October 27 | <0.33 | October 13 | October 27 | 1.43 | October 13 | October 27 | 0.66 |
| October 27 | November 10 | 1.68 | October 27 | November 10 | 2.34 | October 27 | November 10 | 1.35 |
| | November 24 | 1.01 | November 10 | November 24 | 1.29 | November 10 | November 24 | 0.82 |
| lovember 10 | | | November 24 | December 8 | 0.62 | November 24 | December 8 | < 0.34 |
| lovember 10 lovember 24 | December 8 | <0.34 | November 24 | | | NOVEITIBEI 24 | | |
| | December 8 December22 | <0.34 <0.37 | December 8 | December 8 December 22 | <0.83 | December 8 | December 22 | < 0.43 |
| November 24 December 8 Everage | | | | December 22 | | | December 22 | <0.43 0.62 E 0383213 N 4755589 |
| November 24 December 8 Everage | December22 | <0.37 0.48 E 0383953 N | December 8 Average | December 22 | <0.83 0.99 E 0383589 | December 8 Average | December 22 | 0.62 E 0383213 |
| November 24 December 8 Exerage Monitor Lossample Start Date | December 22 Docation #4 Sample End Date | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m³) | December 8 Average Monitor Lo Sample Start Date | December 22 cation #5 Sample End Date | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) | December 8 Average Monitor Loc Sample Start Date | December 22 ation #6 Sample End Date | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) |
| Nonitor Lo cample Start Date | December 22 Docation #4 Sample End Date January 6 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 | December 8 Average Monitor Lo Sample Start Date December 22/20 | cation #5 Sample End Date | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 | December 8 Average Monitor Loc Sample Start Date December 22/20 | December 22 ation #6 Sample End Date January 6 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 |
| Nonitor Los ample Start Date December 22/20 anurary 6 | December 22 Docation #4 Sample End Date January 6 January 20 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 | December 8 Average Monitor Lo Sample Start Date December 22/20 Januaray 6 | December 22 Cation #5 Sample End Date January 6 January 20 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 | December 8 Average Monitor Loc Sample Start Date December 22/20 January 6 | December 22 ation #6 Sample End Date January 6 January 20 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 |
| November 24 December 8 Wornitor Lo Cample Start Date December 22/20 | December22 Decation #4 Sample End Date January 6 January 20 February 3 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 | Cation #5 Sample End Date January 6 January 20 February 3 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 | December 8 Average Monitor Loci Sample Start Date December 22/20 Janurary 6 Janurary 20 | December 22 ation #6 Sample End Date January 6 January 20 February 3 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 |
| Nonitor Lo campie Start Date December 22/20 anurary 6 anuary 20 ebruary 3 | December22 Decation #4 Sample End Date January 6 January 20 February 3 February 17 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 NA ⁽³⁾ | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m ¹) <0.31 <0.34 <0.34 NA ⁽ⁱ⁾ | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 20 January 20 February 3 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 NA ⁽¹⁾ |
| Nonitor Lo tample Start Date December 22/20 anurary 6 anuary 20 ebruary 17 | December22 Docation #4 Sample End Date January 6 January 20 February 3 February 17 March 3 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 NA ⁽³⁾ <0.34 NA ⁽³⁾ | December 8 Average Monitor Loc Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 NA ⁽¹⁾ <0.34 |
| Monitor Lo cample Start Date December 22/20 anurary 6 anurary 3 cebruary 3 derta 3 | December22 Decation #4 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 NA ⁽¹⁾ <0.34 0.54 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 NA ⁽ⁱ⁾ <0.34 0.41 | December 8 Average Monitor Loc. Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 NA ⁽¹⁾ <0.34 <0.34 <0.34 <0.34 |
| Monitor Lo ample Start Date December 22/20 anurary 6 anuary 20 ebruary 17 darch 3 darch 17 | December22 DCation #4 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 20 Jebruary 37 February 37 March 37 March 17 | December 22 PCation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 0.41 0.58 | December 8 Average Monitor Loc Sample Start Date December 22/20 January 5 January 20 february 3 february 17 March 3 March 17 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 NA ⁽¹⁾ <0.34 <0.34 <0.34 <0.34 |
| Monitor Lo cample Start Date cember 22/20 cample Start Date cember 22/20 canuary 6 anuary 20 cebruary 3 cebruary 17 darch 3 darch 31 | December22 Decation #4 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m¹) <0.31 <0.34 <0.34 <0.34 0.54 <0.34 0.54 0.54 0.55 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 47 March 31 April 14 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 0.41 0.58 0.38 | December 8 Average Monitor Local Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 3 April 14 | 0.62 E 0383213 N 4755589 1,3-Butadlene (ug/m ⁵) <0.31 <0.34 <0.34 NA ¹¹ <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 |
| Wonitor Lo ample Start Date December 22/20 anurary 6 anurary 17 Aarch 3 Aarch 17 Aarch 31 april 14 | December22 December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 0.54 <0.34 0.51 0.73 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 37 February 17 March 3 March 17 March 31 April 14 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 31 April 14 April 128 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 0.41 0.58 0.38 0.59 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 20 Jebruary 3 February 17 March 3 March 17 March 31 April 14 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 NA ⁽¹⁾ <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 |
| Monitor Lo cample Start Date December 22/20 anurary 20 ebruary 3 ebruary 17 March 3 March 17 March 31 pril 14 pril 18 | December22 Decemb | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 0.54 <0.34 0.54 <0.34 0.54 0 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 31 April 24 April 28 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 | <0.83 0.99 E 0383589 N 4765252 1,3-Butadiene (ug/m³) <0.34 <0.34 NA ⁽³⁾ <0.34 0.41 0.58 0.38 0.59 0.43 | December 8 Average Monitor Loc Sample Start Date December 22/20 January 6 January 20 february 3 february 17 March 3 March 17 March 31 April 14 April 128 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 |
| Wonitor Lo ample Start Date December 22/20 anurary 6 anurary 17 Alarch 17 Alarch 17 Alarch 13 April 14 April 12 Bay 12 | December22 December22 December22 December24 Sample End Date January 6 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 NA ⁽¹⁾ <0.34 0.54 <0.34 0.54 <0.35 0.54 <0.38 0.51 0.73 0.88 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 NA ⁽³⁾ <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 NA ⁽¹⁾ <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 |
| Monitor Lo ample Start Date December 22/20 anurary 6 anurary 17 Aarch 31 April 14 April 28 day 12 day 26 | December22 December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 3 April 14 April 128 May 12 May 12 May 26 June 9 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 0.54 <0.34 0.54 0.51 0.73 0.88 <0.33 <0.33 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 31 April 34 April 28 May 12 May 26 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 128 May 12 May 26 June 9 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 <0.39 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 April 14 April 28 May 12 May 26 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 |
| Monitor Lo sample Start Date cember 22/20 sample Start Date cember 22/20 sanuary 6 anuary 20 ebruary 3 ebruary 17 Aarch 3 Aarch 31 spril 14 spril 28 Aay 12 Aay 26 une 9 | December22 Decation #4 Sample End Date January 6 January 20 February 3 February 17 March 17 March 17 March 18 April 14 April 28 May 12 May 26 June 9 June 29 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m') <0.31 <0.34 <0.34 NA ⁽³⁾ <0.34 0.54 <0.34 0.51 0.51 0.73 0.88 <0.33 <0.33 <0.33 <0.94 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 29 June 29 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 NA ⁽³⁾ <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 0.49 0.82 | December 8 Average Monitor Loc Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 31 April 14 April 28 May 12 May 26 June 9 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Wonitor Lo sample Start Date cample Start Date canuary 6 anuary 7 cebruary 3 cebruary 17 darch 17 darch 17 darch 11 dary 12 day 26 une 9 une 23 | December22 December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 24 April 28 May 12 May 26 June 9 June 23 July 7 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 0.51 0.73 0.88 <0.38 <0.33 <0.33 0.94 <0.33 <0.33 <0.94 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 37 February 17 March 31 April 28 May 12 May 26 June 9 June 23 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 31 April 14 April 128 May 12 May 26 June 9 June 9 July 7 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 0.49 0.82 <0.33 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 20 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 9 June 9 June 9 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 124 April 28 May 12 May 26 June 9 June 23 July 7 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo cample Start Date December 22/20 anurary 20 ebruary 3 ebruary 17 darch 3 darch 17 darch 31 darch 31 darch 31 darch 31 darch 32 darch 47 darch 32 | December22 December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 12 May 26 June 9 June 23 July 7 July 21 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.54 <0.34 <0.54 <0.34 <0.54 <0.34 <0.51 0.73 0.88 <0.33 <0.33 <0.94 <0.33 <0.94 <0.033 <0.71 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 7 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 9 Jule 7 July 7 July 21 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.41 <0.40 <0.41 <0.58 <0.38 <0.59 <0.43 <0.43 <0.43 <0.03 <0.43 <0.03 <0.43 <0.03 <0.49 <0.82 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | December 8 Average Monitor Loc Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 7 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 21 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date December 22/20 anurary 6 anuary 20 elebruary 3 elebruary 17 darch 3 darch 17 darch 31 darch 12 darch 22 day 25 une 9 une 23 une 9 une 23 une 23 une 27 uny 21 | December22 December22 December22 December24 Sample End Date January 6 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 23 July 7 July 21 | <0.37 0.48 E 0383953 A 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.35 <0.35 <0.35 <0.35 <0.36 <0.37 <0.38 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.31 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.31 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 | December 22 Cation #5 Sample End Date January 6 January 20 February 17 March 3 March 17 March 11 April 14 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.04 <0.058 <0.38 <0.49 <0.49 <0.49 <0.49 <0.49 <0.82 <0.33 <0.33 <0.38 <0.33 <0.33 <0.33 <0.38 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.72 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 9 June 23 July 7 July 21 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 12 April 12 May 12 June 9 June 23 July 21 July 21 July 21 August 4 | 0.62 E 0383213 N 4755589 1,3-Butadient (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date becember 22/20 anurary 6 anurary 6 anurary 6 anurary 7 abruh 3 arch 3 arch 3 arch 3 arch 3 arch 12 arch 3 arch 3 arch 3 arch 3 arch 3 arch 3 arch 12 arch 3 arch 3 arch 17 arch 3 arch 17 arch 3 arch 17 arch 3 arch 17 arch 3 arch 3 arch 17 arch 3 arch 17 arch 3 arch 17 arch 3 arch 17 arch 3 arch 3 arch 17 arch 3 arch 3 arch 17 arch 3 arc | December22 December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 3 April 28 May 12 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.54 <0.54 <0.54 <0.54 <0.57 0.73 0.88 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 0.49 0.82 <0.33 0.82 <0.33 0.72 <0.33 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 25 June 9 June 23 July 7 July 21 August 4 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 12 May 26 June 9 June 23 July 7 July 27 July 27 July 21 August 4 August 18 | 0.62 E 0383213 N 4755589 1,3-Butadient (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date cample Start Date c | December22 December22 December24 Sample End Date January 6 January 6 January 70 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 21 August 4 August 18 September 1 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.35 <0.35 <0.37 <0.38 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 17 March 17 March 18 April 14 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 4 August 18 | December 22 Cation #5 Sample End Date January 6 January 20 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 21 August 4 August 18 September 1 | <0.83 0.99 N 4755252 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.034 <0.034 <0.034 <0.034 <0.034 <0.034 <0.034 <0.041 <0.058 <0.059 <0.43 <0.43 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.058 <0.038 <0.072 <0.038 <0.072 <0.038 <0.054 | December 8 Average Monitor Loc. Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 17 March 13 April 14 April 28 May 16 June 29 June 29 July 7 July 21 August 4 August 4 August 18 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 31 April 14 April 28 May 12 May 25 June 9 June 23 July 7 July 21 August 4 August 18 September 1 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Wonitor Lo sample Start Date cample Start Date cample Start Date canuary 6 anuary 20 cebruary 3 cebruary 17 darch 17 darch 11 dary 12 day 12 day 26 une 9 une 23 uly 7 uly 21 uly | December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 4 August 18 September 1 September 15 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.35 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 1 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 31 April 14 April 128 May 12 May 26 June 9 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.35 <0.38 <0.49 <0.82 <0.33 <0.49 <0.82 <0.33 <0.38 <0.72 <0.33 <0.54 <0.53 <0.54 <0.53 <0.54 <0.53 <0.54 <0.53 <0.53 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 3 April 18 April 28 May 12 May 26 June 9 June 9 June 23 July 7 July 21 August 4 August 18 September 1 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 124 April 28 May 12 July 2 September 1 September 1 September 15 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date becember 22/20 sample Start Date becamber 22/20 sanuary 20 ebruary 3 ebruary 17 darch 3 darch 17 darch 3 darch 11 darch 3 day 12 day 12 day 12 day 14 day 14 day 15 day 14 day 15 day 16 day 17 day 11 day 1 | December22 December22 December24 Sample End Date January 6 January 6 January 70 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 21 August 4 August 18 September 1 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.35 <0.35 <0.37 <0.38 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 37 February 17 March 31 April 14 April 28 May 12 May 26 June 9 June 9 June 23 July 7 July 21 August 4 August 4 August 18 September 15 | December 22 Cation #5 Sample End Date January 6 January 20 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 21 August 4 August 18 September 1 | <0.83 0.99 N 4755252 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.034 <0.034 <0.034 <0.034 <0.034 <0.034 <0.034 <0.041 <0.058 <0.059 <0.43 <0.43 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.049 <0.058 <0.038 <0.072 <0.038 <0.072 <0.038 <0.054 | December 8 Average Monitor Loc. Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 17 March 13 April 14 April 28 May 16 June 29 June 29 July 7 July 21 August 4 August 4 August 18 | December 22 ation #6 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 23 July 21 July 21 August 4 August 4 September 1 September 15 September 29 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date December 22/20 samulary 6 anuary 20 ebruary 3 ebruary 17 darch 3 darch 17 darch 31 darch 18 darch 19 darch 21 day 12 day 26 une 9 une 23 ulvy 7 uugust 18 eptember 19 eptember 19 eptember 19 eptember 19 | December22 December22 December24 Sample End Date January 6 January 6 January 20 February 3 February 17 March 31 April 14 April 28 May 12 May 26 June 23 July 7 July 21 June 23 July 7 July 21 September 1 September 1 September 15 September 15 September 13 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.54 <0.34 <0.34 <0.54 <0.34 <0.51 0.73 0.88 <0.33 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 <0.033 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 4 August 4 August 18 September 1 September 15 September 29 | December 22 Cation #5 Sample End Date January 6 January 20 February 17 March 3 March 17 March 31 April 12 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 September 15 September 13 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.58 <0.38 <0.59 <0.43 <0.33 <0.59 <0.43 <0.33 <0.39 <0.49 <0.82 <0.33 <0.38 <0.72 <0.33 <0.54 <0.33 <0.54 <0.33 <0.35 | December 8 Average Monitor Loc. Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 15 September 15 September 15 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 12 April 28 May 12 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 September 15 September 15 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 NA(3) <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo cample Start Date December 22/20 anurary 6 anurary 6 anurary 6 anurary 17 Aarch 3 Aarch 3 Aarch 31 April 14 April 12 April 28 April 29 April 20 A | December22 December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 15 September 15 September 15 September 15 September 29 October 13 October 27 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.54 <0.54 <0.54 <0.34 <0.51 <0.33 <0.56 <0.56 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 1 September 15 September 19 October 13 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 31 April 14 April 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 15 September 15 September 29 October 13 October 27 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 0.41 0.58 0.38 0.59 0.43 <0.033 0.49 0.82 <0.33 0.49 0.82 <0.33 0.54 0.72 <0.33 0.54 <0.33 0.54 <0.33 0.55 <0.33 0.54 <0.33 0.55 <0.33 0.56 <0.33 0.56 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 25 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 September 29 October 13 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 15 September 15 September 29 October 13 October 27 | 0.62 E 0383213 N 4755589 1,3-Butadient (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date December 22/20 samulary 6 anuary 20 ebruary 3 ebruary 17 darch 3 darch 17 darch 31 darch 18 darch 19 darch 21 day 12 day 26 une 9 une 23 ulvy 7 uugust 18 eptember 19 eptember 19 eptember 19 eptember 19 | December22 December22 December24 Sample End Date January 6 January 6 January 20 February 3 February 17 March 31 April 14 April 28 May 12 May 26 June 23 July 7 July 21 June 23 July 7 July 21 September 1 September 1 September 15 September 15 September 13 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m) <0.31 <0.34 <0.34 <0.34 <0.34 <0.54 <0.34 <0.54 <0.33 <0.51 <0.73 <0.88 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 4 August 4 August 18 September 1 September 15 September 29 | December 22 Cation #5 Sample End Date January 6 January 20 February 17 March 3 March 17 March 31 April 12 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 September 15 September 13 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.0.41 <0.58 <0.38 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.49 <0.40 <0.33 <0.35 <0.33 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 20 January 20 February 17 March 31 April 24 April 28 May 26 June 29 June 29 June 23 July 7 July 21 August 4 August 4 August 18 September 15 September 15 September 29 October 13 October 27 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 12 April 28 May 12 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 September 15 September 15 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 NA(3) <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date cember 22/20 sample Start Date cember 22/20 sanurary 6 anuary 20 ebruary 3 ebruary 17 darch 3 darch 17 darch 3 darch 31 spril 14 spril 28 day 12 day 26 une 9 une 23 uly 21 uly | December22 December22 December22 December24 Sample End Date January 6 January 6 January 70 February 17 March 37 March 17 March 31 April 14 April 28 May 12 May 26 June 23 July 21 July 21 July 21 August 4 August 4 August 18 September 1 September 1 September 15 September 29 October 27 November 10 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.54 <0.54 <0.54 <0.34 <0.51 <0.33 <0.56 <0.56 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 18 September 15 September 15 September 15 September 29 October 13 October 27 | December 22 Cation #5 Sample End Date January 6 January 20 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 26 June 9 June 23 July 21 August 4 August 18 September 1 September 1 September 1 September 29 October 27 November 10 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m³) <0.31 <0.34 NA ⁽ⁱ⁾ <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 0.49 0.82 <0.33 0.49 0.82 <0.33 0.72 <0.33 0.72 <0.33 0.54 <0.33 0.554 <0.33 0.554 <0.33 0.666 0.53 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 14 April 28 May 12 May 25 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 15 September 29 October 13 | December 22 Sample End Date January 6 January 20 February 3 February 17 March 31 March 17 March 31 April 128 May 12 June 23 July 7 July 21 August 4 August 18 September 1 September 1 September 1 September 1 September 1 September 29 October 27 November 10 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date becember 22/20 sample Start Date becamber 22/20 sanuary 20 ebruary 3 ebruary 17 darch 3 darch 17 darch 3 darch 17 darch 3 darch 17 darch 3 darch 17 darch 40 darch 17 darch 18 day 12 d | December22 December22 December24 Sample End Date January 6 January 20 February 3 February 17 March 31 April 28 May 12 May 26 June 9 June 9 June 9 June 23 July 7 July 21 August 4 August 4 August 18 September 15 September 25 September 27 November 10 November 24 | <0.37 0.48 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.54 <0.34 <0.51 <0.34 <0.33 <0.34 <0.51 <0.73 <0.88 <0.33 <0.94 <0.33 <0.34 | December 8 Average Monitor Lo Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 3 April 24 April 28 May 12 May 26 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 1 September 15 September 29 October 13 October 27 November 10 | December 22 Cation #5 Sample End Date January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 12 April 12 May 26 June 23 July 7 July 21 July 21 August 4 August 18 September 1 September 1 September 15 September 29 October 13 October 27 November 10 November 10 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (wg/m²) <0.31 <0.34 <0.38 <0.38 <0.59 <0.43 <0.49 <0.82 <0.33 <0.49 <0.82 <0.33 <0.35 <0.33 <0.54 <0.33 <0.54 <0.33 <0.54 <0.33 <0.55 <0.33 <0.66 <0.53 <0.34 | December 8 Average Monitor Loc. Sample Start Date December 22/20 Janurary 6 January 76 January 70 February 3 February 17 March 31 April 14 April 28 May 12 May 26 June 29 June 29 June 29 June 29 June 29 July 7 July 21 August 4 August 4 August 18 September 15 September 15 September 29 October 13 October 27 November 10 November 10 | December 22 Sample End Date January 6 January 6 January 20 February 3 February 17 March 3 March 17 March 31 April 124 April 28 May 12 July 2 September 15 September 15 September 15 September 15 October 27 November 10 November 10 November 24 | 0.62 E 0383213 N 4755589 1,3-Butadiene (ug/m²) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |
| Monitor Lo sample Start Date s | December22 Decation #4 Sample End Date January 6 January 20 February 17 March 31 April 14 April 14 April 28 May 12 June 23 July 7 July 21 August 4 August 18 September 15 September 1 September 29 October 3 October 3 October 3 October 3 December 4 | <0.37 0.48 E 0383953 N 4755328 1,3-Butadiene (ug/m) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.35 <0.35 <0.35 <0.36 <0.37 <0.88 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.34 <0.34 | December 8 Average Monitor Lo Sample Start Date December 22/20 Janurary 6 January 20 February 3 February 17 March 31 April 24 April 28 May 12 May 26 June 29 June 29 June 23 July 27 July 21 August 4 August 18 September 15 September 15 September 29 October 13 October 27 November 10 November 10 | December 22 Cation #5 Sample End Date January 6 January 6 January 70 February 17 March 37 March 17 March 31 April 18 April 18 April 28 May 12 June 23 July 7 July 21 August 4 August 4 August 18 September 1 September 1 September 29 October 13 October 27 November 10 November 24 December 8 | <0.83 0.99 E 0383589 N 4755252 1,3-Butadiene (ug/m²) <0.31 <0.34 NA ⁽ⁱⁱ⁾ <0.34 0.41 0.58 0.38 0.59 0.43 <0.33 0.49 0.82 <0.33 0.49 0.82 <0.33 0.72 <0.33 0.72 <0.33 0.54 <0.33 0.54 <0.33 0.55 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.35 <0.34 <0.34 <0.33 0.54 <0.33 0.54 <0.33 0.54 <0.33 0.54 <0.33 0.54 <0.33 0.54 <0.33 0.55 <0.33 0.54 <0.33 0.54 <0.33 0.55 <0.33 0.54 <0.33 0.54 <0.33 0.55 <0.33 0.54 <0.33 0.55 <0.33 0.55 <0.33 0.54 <0.34 | December 8 Average Monitor Loc. Sample Start Date December 22/20 January 6 January 20 February 3 February 17 March 3 March 17 March 3 April 28 May 12 May 26 June 9 June 9 June 23 July 7 July 21 August 4 August 18 September 1 September 1 September 15 September 29 October 13 October 27 November 10 | December 22 Sample End Date January 6 January 20 February 17 March 3 March 17 March 31 April 14 April 28 May 12 June 9 June 23 July 7 July 21 August 4 August 18 September 15 September 15 September 15 September 29 October 30 October 27 November 10 November 24 December 8 | 0.62 E 0383213 N 4755899 1,3-Butadiene (ug/m³) <0.31 <0.34 <0.34 <0.34 <0.34 <0.34 <0.34 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 |

Statistical Analysis Calculations

There is no statistically significant increase in the concentration of 1,3 Butadiene. The test statistics calculated are below the Table 7-62 Column 2 values. There has been a ecrease for all monitors. Therefore not action is required as outlined by S.63.

| | Monitor Location #1 | | Monitor Location #2 | | Monitor Location #3 | | Monitor Location #4 | | Monitor Location #5 | | Monitor Location #6 | |
|-------------------------|---------------------|--|---------------------|---|---|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| | ug/m ³ | log _e (x) | ug/m ³ | log _e (x) | ug/m ³ | log _e (x) | ug/m ³ | log _e (x) | ug/m³ | log _e (x) | ug/m ³ | log _e (x) |
| January 6, 2021 | 0.16 | -1.83258146 | 0.16 | -1.83258146 | 0.42 | -0.86750057 | 0.16 | -1.83258146 | 0.16 | -1.83258146 | 0.16 | -1.83258146 |
| January 20, 2021 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.35 | -1.04982212 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| February 3, 2021 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| February 17, 2021 | 1.43 | 0.357674444 | sample analys | is unavailable | sample analy | sis unavailable | sample analys | sis unavailable | sample analy | sis unavailable | sample analy | sis unavailable |
| March 3, 2021 | 0.17 | -1.77195684 | 0.63 | -0.46203546 | 0.54 | -0.61618614 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| March 17, 2021 | 0.51 | -0.67334455 | 0.63 | -0.46203546 | 0.42 | -0.86750057 | 0.54 | -0.61618614 | 0.41 | -0.89159812 | 0.17 | -1.77195684 |
| March 31, 2021 | 0.49 | -0.71334989 | 0.67 | -0.40047757 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.58 | -0.54472718 | 0.17 | -1.77195684 |
| April 14, 2021 | 0.76 | -0.27443685 | 0.93 | -0.07257069 | 0.43 | -0.84397007 | 0.51 | -0.67334455 | 0.38 | -0.96758403 | 0.17 | -1.77195684 |
| April 28, 2021 | 0.52 | -0.65392647 | 1.28 | 0.246860078 | 0.89 | -0.11653382 | 0.73 | -0.31471074 | 0.59 | -0.52763274 | 0.17 | -1.77195684 |
| May 12, 2021 | 0.54 | -0.61618614 | 0.44 | -0.82098055 | 0.52 | -0.65392647 | 0.88 | -0.12783337 | 0.43 | -0.84397007 | 0.17 | -1.77195684 |
| May 26, 2021 | 0.17 | -1.77195684 | sample analys | s unavailable | 1.03 | 0.029558802 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| June 9, 2021 | 0.17 | -1.77195684 | 0.99 | -0.01005034 | 1.04 | 0.039220713 | 0.17 | -1.77195684 | 0.49 | -0.71334989 | 0.17 | -1.77195684 |
| June 23, 2021 | 0.17 | -1.77195684 | 2.28 | 0.824175443 | 1.11 | 0.104360015 | 0.94 | -0.0618754 | 0.82 | -0.19845094 | 0.17 | -1.77195684 |
| July 7, 2021 | 0.17 | -1.77195684 | 2.17 | 0.774727168 | 1.17 | 0.157003749 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| July 21, 2022 | 0.36 | -1.02165125 | 0.53 | -0.63487827 | 0.44 | -0.82098055 | 0.71 | -0.34249031 | 0.38 | -0.96758403 | 0.17 | -1.77195684 |
| August 4, 2021 | 1.37 | 0.31481074 | 1.65 | 0.500775288 | 0.99 | -0.01005034 | 1.36 | 0.3074847 | 0.72 | -0.32850407 | 0.17 | -1.77195684 |
| August 18, 2021 | 0.17 | -1.77195684 | 1.18 | 0.165514438 | 1.21 | 0.19062036 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| September 1, 2021 | 1.68 | 0.518793793 | 0.37 | -0.99425227 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.54 | -0.61618614 | 0.17 | -1.77195684 |
| September 15, 2021 | 0.17 | -1.77195684 | 0.85 | -0.16251893 | 0.37 | -0.99425227 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| September 29, 2021 | 0.36 | -1.02165125 | 1.19 | 0.173953307 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.35 | -1.04982212 | 0.17 | -1.77195684 |
| October 13, 2021 | 1.37 | 0.31481074 | 0.79 | -0.23572233 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| October 27, 2021 | 0.17 | -1.77195684 | 1.43 | 0.357674444 | 0.66 | -0.41551544 | 0.66 | -0.41551544 | 0.66 | -0.41551544 | 0.17 | -1.77195684 |
| November 10, 2021 | 1.68 | 0.518793793 | 2.34 | 0.850150929 | 1.35 | 0.300104592 | 0.17 | -1.77195684 | 0.53 | -0.63487827 | 0.17 | -1.77195684 |
| November 24, 2021 | 1.01 | 0.009950331 | 1.29 | 0.254642218 | 0.82 | -0.19845094 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| December 8, 2021 | 0.17 | -1.77195684 | 0.62 | -0.4780358 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.77195684 |
| December 22, 2021 | 0.19 | -1.66073121 | 0.42 | -0.86750057 | 0.22 | -1.51412773 | 0.17 | -1.77195684 | 0.17 | -1.77195684 | 0.17 | -1.7719568 |
| Mean | | -0.9970981 | | -0.284545 | | -0.75118759 | | -1.29713449 | | -1.20095639 | | -1.77438183 |
| Weall | | -0.5570561 | | -0.264343 | | -0.73118739 | | -1.23/13443 | | -1.20093039 | | -1.7743010. |
| Standard Deviation Squa | ared | 0.784086579 | | 0.607851208 | | 0.550164433 | | 0.536187299 | | 0.354482733 | | 0.000147014 |
| Test Statistic | | -1.40163172 | | -3.8864099 | | -3.76826823 | | -2.32430481 | | -2.19224745 | | -2.88656544 |
| Degrees of Freedom | | 47.5 | | 47.4 | | 49.3 | | 48.0 | | 81.5 | | 76.2 |
| Table 7-62 | | 3.551 | | 3.551 | | 3.551 | | 3.551 | | 3.46 | | 3.46 |
| | | | | | | | | | | | | |
| Number of Samples | | 26 | | 24 | | 25 | | 25 | | 25 | | 25 |
| Number of samples -1 | | 25 | | 23 | | 24 | | 24 | | 24 | | 24 |
| IF TABLE 7-62 VALUE IS | > Test Statistic t | here is no signifi | cant increase in | concentration : | at that monito | r | | | | | | |
| | la accible of acc | | | | | | | | | | | |
| paragraph 2 | logarith of sa | IIIpie resuit | | | | | | | | | | |
| paragraph 3 | mean of samp | ple result logarith | ms | | | | | | | | | |
| paragraph 4 | square of star | ndard deviation o | of sample result I | logarithms (S ₁ ² , 3 | SYR or S ₂ ² , This | YR) | | | | | | |
| paragraph 5 | test statistic (| T), where | | | | | | | | | | |
| | T = (Y - X) / Sq | rt (S ₁ ² /m + S ₂ ² /n) |) | | | | | | | | | |
| | Y = Paragraph | 3 (this workshee | et) | | | | | | | | | |
| | | 3 (3YR workshee | | | | | | | | | | |
| | | h 4 (3YR workshe | | | | | | | | | | |
| | | h 4 (this workshe | | | | | | | | | | |
| | | of samples (3YR w | | | | | | | | | | |
| | | f samples (this wo | | | | | | | | | | |
| Daragraph 6 | Degrees of f- | eedom (v), where | | | | | | | | | | |
| Paragraph 6 | | eedom (v), where ₂ ² /n) ^{2]} /[S ₁ ² /m) ² /(n | | -1)] | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Paragraph 7 | Table 7-62 Co | dumn 2 | | | | | | | | | | |