# Hamilton Air Monitoring Network - TSP Report

**Station** : STN29102
**Location** : Beach Blvd, Hamilton

**Sample Matrix** : Glass Fibre
**Method** : ICP/ MS

| Parameter | TSP | Cd | Cr | Fe | Cu | Pb | Mn | Ni | V |
|---|---|---|---|---|---|---|---|---|---|
| Name | | Cadmium | Chromium | Iron | Copper | Lead | Manganese | Nickel | Vanadium |
| Units | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ |
| MDL | 1 | 0.01 | 0.002 | 0.01 | 0.004 | 0.04 | 0.002 | 0.02 | 0.01 |
| Date | | | | | | | | | |
| 04-Jan-21 | 20 | 0.005 | 0.001 | 0.28 | 0.130 | 0.02 | 0.016 | 0.01 | 0.005 |
| 10-Jan-21 | 36 | 0.005 | 0.004 | 0.81 | 0.091 | 0.02 | 0.057 | 0.01 | 0.005 |
| 16-Jan-21 | 48 | 0.005 | 0.010 | 1.54 | 0.091 | 0.02 | 0.095 | 0.01 | 0.006 |
| 22-Jan-21 | 56 | 0.005 | 0.009 | 2.92 | 0.050 | 0.02 | 0.125 | 0.01 | 0.006 |
| 28-Jan-21 | 39 | 0.005 | 0.002 | 0.36 | 0.095 | 0.02 | 0.030 | 0.01 | 0.005 |
| 03-Feb-21 | 47 | 0.005 | 0.006 | 1.10 | 0.081 | 0.02 | 0.067 | 0.01 | 0.005 |
| 09-Feb-21 | 59 | 0.005 | 0.005 | 1.13 | 0.142 | 0.02 | 0.050 | 0.01 | 0.005 |
| 15-Feb-21 | 24 | 0.005 | 0.001 | 0.12 | 0.118 | 0.02 | 0.003 | 0.01 | 0.005 |
| 21-Feb-21 | 85 | 0.005 | 0.008 | 1.20 | 0.196 | 0.02 | 0.091 | 0.01 | 0.006 |
| 27-Feb-21 | 46 | 0.005 | 0.006 | 1.46 | 0.163 | 0.02 | 0.077 | 0.01 | 0.005 |
| 05-Mar-21 | 68 | 0.005 | 0.007 | 1.74 | 0.061 | 0.02 | 0.121 | 0.01 | 0.005 |
| 11-Mar-21 | 399 | 0.005 | 0.022 | 4.21 | 0.046 | 0.02 | 0.265 | 0.01 | 0.009 |
| 17-Mar-21 | 32 | 0.005 | 0.001 | 0.51 | 0.156 | 0.02 | 0.017 | 0.01 | 0.005 |
| 23-Mar-21 | 46 | 0.005 | 0.006 | 1.45 | 0.160 | 0.02 | 0.072 | 0.01 | 0.005 |
| 29-Mar-21 | - | - | - | - | - | - | - | - | - |
| 04-Apr-21 | 218 | 0.016 | 0.092 | 17.49 | 0.324 | 0.14 | 0.560 | 0.09 | 0.031 |
| 10-Apr-21 | 15 | 0.015 | 0.117 | 8.48 | 0.449 | 0.06 | 0.486 | 0.02 | 0.039 |
| 16-Apr-21 | 25 | 0.008 | 0.146 | 13.67 | 0.287 | 0.05 | 0.931 | 0.04 | 0.050 |
| 22-Apr-21 | 77 | 0.008 | 0.252 | 31.91 | 0.310 | 0.07 | 1.950 | 0.04 | 0.108 |
| 28-Apr-21 | 36 | 0.017 | 0.126 | 9.48 | 0.558 | 0.05 | 0.669 | 0.01 | 0.045 |
| ---- | | | | | | | | | |
| 04-May-21 | 8 | 0.005 | 0.001 | 0.10 | 0.033 | 0.02 | 0.005 | 0.01 | 0.005 |
| 10-May-21 | 61 | 0.005 | 0.009 | 1.56 | 0.022 | 0.02 | 0.071 | 0.01 | 0.005 |
| 16-May-21 | 98 | 0.005 | 0.016 | 2.96 | 0.057 | 0.02 | 0.146 | 0.01 | 0.005 |
| 22-May-21 | 135 | 0.005 | 0.013 | 3.00 | 0.023 | 0.02 | 0.118 | 0.01 | 0.005 |
| 28-May-21 | 8 | 0.005 | 0.001 | 0.50 | 0.008 | 0.02 | 0.016 | 0.01 | 0.005 |
| 03-Jun-21 | 84 | 0.005 | 0.006 | 0.83 | 0.067 | 0.02 | 0.055 | 0.01 | 0.005 |
| 09-Jun-21 | 38 | 0.005 | 0.001 | 0.50 | 0.035 | 0.02 | 0.022 | 0.01 | 0.005 |
| 15-Jun-21 | 29 | 0.005 | 0.002 | 0.42 | 0.039 | 0.02 | 0.020 | 0.01 | 0.005 |
| 21-Jun-21 | 63 | 0.005 | 0.009 | 1.58 | 0.026 | 0.02 | 0.082 | 0.01 | 0.005 |
| 27-Jun-21 | 71 | 0.005 | 0.010 | 2.16 | 0.023 | 0.02 | 0.087 | 0.01 | 0.005 |

| Parameter | TSP | Cd | Cr | Fe | Cu | Pb | Mn | Ni | V |
|---|---|---|---|---|---|---|---|---|---|
| Name | | Cadmium | Chromium | Iron | Copper | Lead | Manganese | Nickel | Vanadium |
| Units | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ | µg/m³ |
| MDL | 1 | 0.01 | 0.002 | 0.01 | 0.004 | 0.04 | 0.002 | 0.02 | 0.01 |
| Date | | | | | | | | | |
| 03-Jul-21 | 29 | 0.005 | 0.001 | 0.01 | 0.002 | 0.02 | 0.001 | 0.01 | 0.005 |
| 09-Jul-21 | 14 | 0.005 | 0.001 | 0.01 | 0.029 | 0.02 | 0.001 | 0.01 | 0.005 |
| 15-Jul-21 | 101 | 0.005 | 0.002 | 1.99 | 0.032 | 0.02 | 0.084 | 0.01 | 0.005 |
| 21-Jul-21 | 26 | 0.005 | 0.001 | 0.48 | 0.067 | 0.02 | 0.032 | 0.01 | 0.005 |
| 27-Jul-21 | 79 | 0.005 | 0.001 | 1.48 | 0.040 | 0.02 | 0.088 | 0.01 | 0.005 |
| 02-Aug-21 | 83 | 0.005 | 0.006 | 1.16 | 0.060 | 0.02 | 0.043 | 0.01 | 0.005 |
| 08-Aug-21 | 81 | 0.005 | 0.005 | 0.75 | 0.049 | 0.02 | 0.056 | 0.01 | 0.005 |
| 14-Aug-21 | 116 | 0.005 | 0.006 | 1.45 | 0.077 | 0.02 | 0.160 | 0.01 | 0.005 |
| 20-Aug-21 | 70 | 0.005 | 0.004 | 1.51 | 0.040 | 0.02 | 0.072 | 0.01 | 0.005 |
| 26-Aug-21 | 87 | 0.005 | 0.009 | 2.51 | 0.036 | 0.02 | 0.107 | 0.01 | 0.005 |
| 01-Sep-21 | 15 | 0.005 | 0.005 | 3.53 | 0.056 | 0.02 | 0.134 | 0.01 | 0.005 |
| 07-Sep-21 | 15 | 0.005 | 0.001 | 0.35 | 0.065 | 0.02 | 0.016 | 0.01 | 0.005 |
| 13-Sep-21 | 50 | 0.005 | 0.001 | 1.73 | 0.055 | 0.02 | 0.080 | 0.01 | 0.005 |
| 19-Sep-21 | 71 | 0.005 | 0.004 | 2.64 | 0.061 | 0.02 | 0.158 | 0.01 | 0.005 |
| 25-Sep-21 | 17 | 0.005 | 0.001 | 0.31 | 0.039 | 0.02 | 0.016 | 0.01 | 0.005 |
| 01-Oct-21 | | | | | | | | | |
| 07-Oct-21 | | | | | | | | | |
| 13-Oct-21 | | | | | | | | | |
| 19-Oct-21 | | | | | | | | | |
| 25-Oct-21 | | | | | | | | | |
| 31-Oct-21 | | | | | | | | | |
| 06-Nov-21 | | | | | | | | | |
| 12-Nov-21 | | | | | | | | | |
| 18-Nov-21 | | | | | | | | | |
| 24-Nov-21 | | | | | | | | | |
| 30-Nov-21 | | | | | | | | | |
| 06-Dec-21 | | | | | | | | | |
| 12-Dec-21 | | | | | | | | | |
| 18-Dec-21 | | | | | | | | | |
| 24-Dec-21 | | | | | | | | | |
| 30-Dec-21 | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Geo Mean | 46 | 0.006 | 0.005 | 1.08 | 0.064 | 0.02 | 0.060 | 0.01 | 0.007 |
| Max | 399 | 0.017 | 0.252 | 31.91 | 0.558 | 0.14 | 1.950 | 0.09 | 0.108 |
| Min | 8 | 0.005 | 0.001 | 0.01 | 0.002 | 0.02 | 0.001 | 0.01 | 0.005 |
| AAQC | 120 | 0.025 | 0.5 | 25.0 | 50 | 0.5 | 0.4 | 0.2 | 2 |
| No. > AAQC | 3 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 |
| URT | n/a | 0.25 | 5 | n/a | n/a | 2 | 4 | 2 | n/a |
| No. > URT | n/a | 0 | 0 | n/a | n/a | 0 | 0 | 0 | n/a |
| Sampling Dates | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Valid Samples | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| % Valid Data | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |