# Hamilton Air Monitoring Network - TSP Report

**Station** : STN29180
**Location** : Burlington St / Gage Ave, 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 | | | | | | | | | |
| 06-Jan-15 | 72 | 0.005 | 0.010 | 1.51 | 0.051 | 0.02 | 0.121 | 0.01 | 0.005 |
| 12-Jan-15 | 59 | 0.005 | 0.007 | 1.14 | 0.049 | 0.02 | 0.082 | 0.01 | 0.005 |
| 18-Jan-15 | 56 | 0.005 | 0.003 | 0.72 | 0.056 | 0.02 | 0.062 | 0.01 | 0.005 |
| 24-Jan-15 | 60 | 0.005 | 0.007 | 1.41 | 0.129 | 0.02 | 0.105 | 0.01 | 0.005 |
| 30-Jan-15 | 47 | 0.005 | 0.007 | 1.36 | 0.079 | 0.02 | 0.064 | 0.01 | 0.005 |
| 05-Feb-15 | 43 | 0.005 | 0.006 | 1.51 | 0.122 | 0.02 | 0.104 | 0.01 | 0.005 |
| 11-Feb-15 | 50 | 0.005 | 0.003 | 0.53 | 0.170 | 0.02 | 0.032 | 0.01 | 0.005 |
| 17-Feb-15 | 114 | 0.005 | 0.010 | 1.88 | 0.141 | 0.02 | 0.147 | 0.01 | 0.005 |
| 23-Feb-15 | 62 | 0.005 | 0.007 | 1.05 | 0.101 | 0.02 | 0.089 | 0.01 | 0.005 |
| ----- | | | | | | | | | |
| 01-Mar-15 | 78 | 0.005 | 0.003 | 0.63 | 0.18 | 0.01 | 0.057 | 0.01 | 0.005 |
| 07-Mar-15 | 77 | 0.005 | 0.007 | 1.03 | 0.19 | 0.01 | 0.092 | 0.01 | 0.005 |
| 13-Mar-15 | 171 | 0.005 | 0.048 | 23.96 | 0.55 | 0.04 | 0.416 | 0.02 | 0.019 |
| 19-Mar-15 | 109 | 0.005 | 0.023 | 3.67 | 0.19 | 0.02 | 0.313 | 0.01 | 0.009 |
| 25-Mar-15 | 114 | 0.005 | 0.020 | 3.77 | 0.24 | 0.04 | 0.370 | 0.01 | 0.009 |
| 31-Mar-15 | 116 | 0.005 | 0.029 | 4.83 | 0.24 | 0.02 | 0.422 | 0.01 | 0.012 |
| 06-Apr-15 | 88 | 0.005 | 0.019 | 4.44 | 0.153 | 0.04 | 0.381 | 0.01 | 0.010 |
| 12-Apr-15 | 60 | 0.005 | 0.013 | 2.21 | 0.344 | 0.02 | 0.188 | 0.01 | 0.005 |
| 18-Apr-15 | 124 | 0.005 | 0.024 | 4.05 | 0.266 | 0.02 | 0.337 | 0.01 | 0.010 |
| 24-Apr-15 | 125 | 0.005 | 0.017 | 2.60 | 0.210 | 0.05 | 0.246 | 0.01 | 0.006 |
| 30-Apr-15 | 148 | 0.005 | 0.045 | 7.40 | 0.369 | 0.04 | 0.682 | 0.01 | 0.022 |
| 06-May-15 | 174 | 0.005 | 0.051 | 9.75 | 0.290 | 0.04 | 0.705 | 0.01 | 0.026 |
| 12-May-15 | 93 | 0.005 | 0.016 | 2.85 | 0.217 | 0.02 | 0.221 | 0.01 | 0.005 |
| 18-May-15 | 159 | 0.005 | 0.048 | 8.31 | 0.339 | 0.04 | 0.494 | 0.01 | 0.022 |
| 24-May-15 | 108 | 0.005 | 0.013 | 2.47 | 0.309 | 0.02 | 0.150 | 0.01 | 0.005 |
| 30-May-15 | 118 | 0.005 | 0.024 | 4.48 | 0.286 | 0.02 | 0.254 | 0.02 | 0.009 |
| 05-Jun-15 | 148 | 0.005 | 0.033 | 6.72 | 0.385 | 0.02 | 0.420 | 0.01 | 0.015 |
| 11-Jun-15 | 91 | 0.005 | 0.013 | 2.17 | 0.374 | 0.02 | 0.172 | 0.01 | 0.006 |
| 17-Jun-15 | 173 | 0.005 | 0.054 | 21.17 | 0.390 | 0.04 | 0.635 | 0.02 | 0.022 |
| 23-Jun-15 | 97 | 0.005 | 0.024 | 3.85 | 0.263 | 0.02 | 0.291 | 0.01 | 0.006 |
| 29-Jun-15 | 85 | 0.005 | 0.020 | 3.35 | 0.340 | 0.02 | 0.274 | 0.01 | 0.008 |

| 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 | | | | | | | | | |
| 05-Jul-15 | 71 | 0.005 | 0.006 | 1.22 | 0.253 | 0.02 | 0.099 | 0.01 | 0.005 |
| 11-Jul-15 | 67 | 0.005 | 0.010 | 1.51 | 0.299 | 0.02 | 0.105 | 0.01 | 0.005 |
| 17-Jul-15 | 68 | 0.005 | 0.015 | 2.50 | 0.370 | 0.02 | 0.211 | 0.01 | 0.007 |
| 23-Jul-15 | 144 | 0.005 | 0.020 | 3.27 | 0.249 | 0.04 | 0.303 | 0.01 | 0.008 |
| 29-Jul-15 | 85 | 0.005 | 0.013 | 2.10 | 0.333 | 0.02 | 0.148 | 0.01 | 0.005 |
| 04-Aug-15 | 84 | 0.005 | 0.011 | 2.17 | 0.276 | 0.02 | 0.151 | 0.01 | 0.005 |
| 10-Aug-15 | 85 | 0.005 | 0.027 | 4.32 | 0.381 | 0.02 | 0.346 | 0.01 | 0.011 |
| 16-Aug-15 | 39 | 0.005 | 0.008 | 1.26 | 0.336 | 0.02 | 0.081 | 0.01 | 0.005 |
| 22-Aug-15 | 79 | 0.005 | 0.021 | 3.79 | 0.294 | 0.02 | 0.203 | 0.02 | 0.010 |
| 28-Aug-15 | 132 | 0.005 | 0.040 | 6.22 | 0.369 | 0.02 | 0.505 | 0.01 | 0.017 |
| 03-Sep-15 | 169 | 0.005 | 0.066 | 8.03 | 0.332 | 0.02 | 0.688 | 0.01 | 0.023 |
| 09-Sep-15 | 102 | 0.005 | 0.032 | 3.37 | 0.256 | 0.05 | 0.208 | 0.01 | 0.007 |
| 15-Sep-15 | 60 | 0.005 | 0.013 | 2.32 | 0.325 | 0.02 | 0.181 | 0.01 | 0.005 |
| 21-Sep-15 | 131 | 0.005 | 0.040 | 9.70 | 0.333 | 0.04 | 0.507 | 0.01 | 0.017 |
| 27-Sep-15 | 51 | 0.005 | 0.012 | 2.11 | 0.348 | 0.02 | 0.174 | 0.01 | 0.006 |
| ----- | | | | | | | | | |
| 03-Oct-15 | 123 | 0.005 | 0.043 | 9.63 | 0.098 | 0.02 | 0.572 | 0.01 | 0.018 |
| 09-Oct-15 | 103 | 0.005 | 0.013 | 2.75 | 0.263 | 0.04 | 0.166 | 0.01 | 0.005 |
| 15-Oct-15 | 93 | 0.005 | 0.012 | 2.46 | 0.270 | 0.02 | 0.181 | 0.01 | 0.005 |
| 21-Oct-15 | 71 | 0.005 | 0.011 | 2.49 | 0.262 | 0.02 | 0.174 | 0.01 | 0.005 |
| 27-Oct-15 | 91 | 0.005 | 0.024 | 5.46 | 0.188 | 0.04 | 0.323 | 0.02 | 0.010 |
| 02-Nov-15 | 58 | 0.005 | 0.012 | 1.68 | 0.342 | 0.02 | 0.198 | 0.01 | 0.005 |
| 08-Nov-15 | 24 | 0.005 | 0.002 | 0.05 | 0.001 | 0.02 | 0.004 | 0.01 | 0.005 |
| 14-Nov-15 | 21 | 0.005 | 0.009 | 0.05 | 0.044 | 0.05 | 0.001 | 0.01 | 0.005 |
| 20-Nov-15 | 64 | 0.005 | 0.013 | 2.17 | 0.283 | 0.02 | 0.142 | 0.01 | 0.005 |
| 26-Nov-15 | 54 | 0.005 | 0.010 | 1.74 | 0.196 | 0.02 | 0.120 | 0.01 | 0.005 |
| 02-Dec-15 | 85 | 0.005 | 0.023 | 4.35 | 0.237 | 0.02 | 0.315 | 0.01 | 0.010 |
| 08-Dec-15 | 35 | 0.005 | 0.005 | 0.78 | 0.404 | 0.02 | 0.057 | 0.01 | 0.005 |
| 14-Dec-15 | 54 | 0.005 | 0.014 | 2.68 | 0.278 | 0.02 | 0.218 | 0.01 | 0.007 |
| 20-Dec-15 | 24 | 0.005 | 0.004 | 0.85 | 0.239 | 0.02 | 0.058 | 0.01 | 0.005 |
| 26-Dec-15 | 53 | 0.005 | 0.014 | 3.48 | 0.124 | 0.02 | 0.188 | 0.01 | 0.006 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Geo Mean | 80 | 0.005 | 0.014 | 2.43 | 0.203 | 0.02 | 0.169 | 0.01 | 0.007 |
| Max | 174 | 0.005 | 0.066 | 23.96 | 0.554 | 0.05 | 0.705 | 0.02 | 0.026 |
| Min | 21 | 0.005 | 0.002 | 0.05 | 0.001 | 0.01 | 0.001 | 0.01 | 0.005 |
| AAQC | 120 | 0.025 | 1.5 | 25.0 | 50 | 0.5 | 0.4 | 2 | 2 |
| No. > AAQC | 13 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 |
| No. of Samples | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |