# 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 | | | | | | | | | |
| 06-Jan-15 | - | - | - | - | - | - | - | - | - |
| 12-Jan-15 | 61 | 0.005 | 0.009 | 1.81 | 0.097 | 0.02 | 0.127 | 0.01 | 0.005 |
| 18-Jan-15 | 20 | 0.005 | 0.006 | 0.94 | 0.029 | 0.02 | 0.067 | 0.01 | 0.005 |
| 24-Jan-15 | 55 | 0.005 | 0.009 | 2.77 | 0.138 | 0.02 | 0.107 | 0.01 | 0.005 |
| 30-Jan-15 | 42 | 0.005 | 0.003 | 0.69 | 0.149 | 0.02 | 0.027 | 0.01 | 0.005 |
| 05-Feb-15 | 34 | 0.005 | 0.006 | 1.36 | 0.126 | 0.02 | 0.062 | 0.01 | 0.005 |
| 11-Feb-15 | 55 | 0.005 | 0.004 | 1.20 | 0.120 | 0.02 | 0.045 | 0.01 | 0.005 |
| 17-Feb-15 | 95 | 0.005 | 0.011 | 2.46 | 0.137 | 0.02 | 0.138 | 0.01 | 0.005 |
| 23-Feb-15 | 55 | 0.005 | 0.006 | 2.02 | 0.097 | 0.02 | 0.072 | 0.01 | 0.005 |
| ----- | | | | | | | | | |
| 01-Mar-15 | 64 | 0.005 | 0.019 | 2.00 | 0.187 | 0.01 | 0.160 | 0.01 | 0.012 |
| 07-Mar-15 | - | - | - | - | - | - | - | - | - |
| 13-Mar-15 | 24 | 0.005 | 0.006 | 0.95 | 0.212 | 0.01 | 0.062 | 0.01 | 0.005 |
| 19-Mar-15 | 30 | 0.005 | 0.004 | 1.02 | 0.105 | 0.01 | 0.059 | 0.01 | 0.005 |
| 25-Mar-15 | 30 | 0.005 | 0.006 | 1.22 | 0.145 | 0.01 | 0.080 | 0.01 | 0.005 |
| 31-Mar-15 | 30 | 0.005 | 0.002 | 0.73 | 0.165 | 0.01 | 0.041 | 0.01 | 0.005 |
| 06-Apr-15 | - | - | - | - | - | - | - | - | - |
| 12-Apr-15 | 60 | 0.005 | 0.011 | 2.17 | 0.173 | 0.02 | 0.151 | 0.01 | 0.006 |
| 18-Apr-15 | 77 | 0.005 | 0.014 | 2.50 | 0.344 | 0.02 | 0.201 | 0.01 | 0.008 |
| 24-Apr-15 | 45 | 0.005 | 0.010 | 1.71 | 0.151 | 0.02 | 0.105 | 0.01 | 0.006 |
| 30-Apr-15 | 55 | 0.005 | 0.007 | 1.46 | 0.353 | 0.02 | 0.109 | 0.01 | 0.005 |
| 06-May-15 | 41 | 0.005 | 0.006 | 0.82 | 0.240 | 0.02 | 0.063 | 0.01 | 0.005 |
| 12-May-15 | - | - | - | - | - | - | - | - | - |
| 18-May-15 | 60 | 0.005 | 0.007 | 1.37 | 0.198 | 0.02 | 0.091 | 0.01 | 0.005 |
| 24-May-15 | 119 | 0.005 | 0.024 | 5.80 | 0.245 | 0.02 | 0.265 | 0.01 | 0.012 |
| 30-May-15 | 53 | 0.005 | 0.007 | 1.40 | 0.122 | 0.02 | 0.088 | 0.01 | 0.005 |
| 05-Jun-15 | 32 | 0.005 | 0.005 | 0.71 | 0.185 | 0.02 | 0.046 | 0.01 | 0.005 |
| 11-Jun-15 | 71 | 0.005 | 0.021 | 3.25 | 0.228 | 0.02 | 0.187 | 0.01 | 0.013 |
| 17-Jun-15 | 32 | 0.005 | 0.002 | 0.35 | 0.233 | 0.02 | 0.024 | 0.01 | 0.005 |
| 23-Jun-15 | 57 | 0.005 | 0.008 | 1.60 | 0.180 | 0.02 | 0.097 | 0.01 | 0.005 |
| 29-Jun-15 | 41 | 0.005 | 0.006 | 1.40 | 0.150 | 0.02 | 0.068 | 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 | | | | | | | | | |
| 05-Jul-15 | 69 | 0.005 | 0.007 | 1.49 | 0.144 | 0.02 | 0.084 | 0.01 | 0.005 |
| 11-Jul-15 | 66 | 0.005 | 0.005 | 2.91 | 0.130 | 0.02 | 0.086 | 0.01 | 0.005 |
| 17-Jul-15 | 39 | 0.005 | 0.005 | 0.84 | 0.095 | 0.02 | 0.079 | 0.01 | 0.005 |
| 23-Jul-15 | 70 | 0.005 | 0.009 | 1.46 | 0.128 | 0.02 | 0.106 | 0.01 | 0.005 |
| 29-Jul-15 | 110 | 0.005 | 0.014 | 3.26 | 0.126 | 0.02 | 0.167 | 0.01 | 0.007 |
| 04-Aug-15 | 59 | 0.005 | 0.022 | 2.43 | 0.108 | 0.02 | 0.204 | 0.01 | 0.013 |
| 10-Aug-15 | 24 | 0.005 | 0.003 | 0.62 | 0.116 | 0.02 | 0.029 | 0.00 | 0.005 |
| 16-Aug-15 | 92 | 0.005 | 0.005 | 1.83 | 0.148 | 0.02 | 0.103 | 0.01 | 0.005 |
| 22-Aug-15 | 60 | 0.005 | 0.012 | 2.16 | 0.087 | 0.02 | 0.134 | 0.01 | 0.009 |
| 28-Aug-15 | 60 | 0.005 | 0.009 | 2.10 | 0.135 | 0.02 | 0.098 | 0.01 | 0.005 |
| 03-Sep-15 | 73 | 0.005 | 0.009 | 1.97 | 0.138 | 0.02 | 0.118 | 0.01 | 0.006 |
| 09-Sep-15 | 34 | 0.005 | 0.007 | 1.09 | 0.192 | 0.02 | 0.076 | 0.01 | 0.005 |
| 15-Sep-15 | 93 | 0.005 | 0.033 | 5.94 | 0.210 | 0.04 | 0.376 | 0.01 | 0.017 |
| 21-Sep-15 | 23 | 0.005 | 0.005 | 0.74 | 0.104 | 0.02 | 0.050 | 0.01 | 0.005 |
| 27-Sep-15 | 44 | 0.005 | 0.003 | 0.89 | 0.140 | 0.02 | 0.035 | 0.01 | 0.005 |
| ----- | | | | | | | | | |
| 03-Oct-15 | 14 | 0.005 | 0.001 | 0.28 | 0.002 | 0.02 | 0.016 | 0.01 | 0.005 |
| 09-Oct-15 | 48 | 0.005 | 0.014 | 1.66 | 0.159 | 0.02 | 0.142 | 0.01 | 0.007 |
| 15-Oct-15 | 111 | 0.005 | 0.026 | 5.88 | 0.092 | 0.02 | 0.417 | 0.01 | 0.014 |
| 21-Oct-15 | 33 | 0.005 | 0.009 | 1.29 | 0.127 | 0.02 | 0.070 | 0.01 | 0.005 |
| 27-Oct-15 | 15 | 0.005 | 0.003 | 0.61 | 0.071 | 0.02 | 0.030 | 0.01 | 0.005 |
| 02-Nov-15 | 150 | 0.005 | 0.012 | 2.36 | 0.207 | 0.02 | 0.313 | 0.01 | 0.007 |
| 08-Nov-15 | 97 | 0.005 | 0.058 | 4.31 | 0.136 | 0.02 | 0.182 | 0.01 | 0.010 |
| 14-Nov-15 | 69 | 0.005 | 0.014 | 2.58 | 0.132 | 0.02 | 0.183 | 0.01 | 0.009 |
| 20-Nov-15 | 108 | 0.005 | 0.028 | 4.74 | 0.191 | 0.02 | 0.375 | 0.01 | 0.018 |
| 26-Nov-15 | 132 | 0.005 | 0.010 | 2.10 | 0.103 | 0.02 | 0.107 | 0.01 | 0.007 |
| 02-Dec-15 | 36 | 0.005 | 0.007 | 1.10 | 0.156 | 0.02 | 0.081 | 0.01 | 0.005 |
| 08-Dec-15 | 44 | 0.005 | 0.006 | 1.14 | 0.116 | 0.02 | 0.070 | 0.01 | 0.005 |
| 14-Dec-15 | 42 | 0.005 | 0.007 | 1.49 | 0.117 | 0.02 | 0.111 | 0.01 | 0.005 |
| 20-Dec-15 | 124 | 0.005 | 0.016 | 2.58 | 0.122 | 0.02 | 0.145 | 0.01 | 0.010 |
| 26-Dec-15 | 8 | 0.005 | 0.001 | 0.23 | 0.038 | 0.02 | 0.006 | 0.01 | 0.005 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Geo Mean | 50 | 0.005 | 0.008 | 1.51 | 0.129 | 0.02 | 0.089 | 0.01 | 0.006 |
| Max | 150 | 0.005 | 0.058 | 5.94 | 0.353 | 0.04 | 0.417 | 0.01 | 0.018 |
| Min | 8 | 0.005 | 0.001 | 0.23 | 0.002 | 0.01 | 0.006 | 0.00 | 0.005 |
| AAQC | 120 | 0.025 | 1.5 | 25.0 | 50 | 0.5 | 0.4 | 2 | 2 |
| No. > AAQC | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| No. of Samples | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |