# Hamilton Air Monitoring Network - TSP Report

**Station** : STN29164
**Location** : Eastport Drive, 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 | | | | | | | | | |
| 01-Jan-16 | 38 | 0.005 | 0.010 | 1.70 | 0.025 | 0.02 | 0.107 | 0.01 | 0.005 |
| 07-Jan-16 | 89 | 0.005 | 0.022 | 5.92 | 0.230 | 0.02 | 0.221 | 0.01 | 0.005 |
| 13-Jan-16 | 29 | 0.005 | 0.005 | 1.49 | 0.026 | 0.02 | 0.060 | 0.01 | 0.005 |
| 19-Jan-16 | 43 | 0.005 | 0.013 | 3.03 | 0.075 | 0.02 | 0.185 | 0.01 | 0.005 |
| 25-Jan-16 | 62 | 0.005 | 0.031 | 3.30 | 0.077 | 0.02 | 0.094 | 0.01 | 0.005 |
| 31-Jan-16 | 45 | 0.005 | 0.024 | 2.80 | 0.033 | 0.04 | 0.070 | 0.01 | 0.005 |
| 06-Feb-16 | 41 | 0.005 | 0.005 | 1.55 | 0.018 | 0.02 | 0.073 | 0.01 | 0.005 |
| 12-Feb-16 | 79 | 0.005 | 0.011 | 2.53 | 0.039 | 0.02 | 0.152 | 0.01 | 0.006 |
| 18-Feb-16 | 48 | 0.005 | 0.005 | 1.05 | 0.158 | 0.02 | 0.059 | 0.01 | 0.005 |
| 24-Feb-16 | 24 | 0.005 | 0.005 | 0.79 | 0.018 | 0.02 | 0.046 | 0.01 | 0.005 |
| ----- | | | | | | | | | |
| 01-Mar-16 | 34 | 0.005 | 0.003 | 0.45 | 0.043 | 0.02 | 0.033 | 0.01 | 0.005 |
| 07-Mar-16 | 51 | 0.005 | 0.009 | 2.08 | 0.058 | 0.04 | 0.134 | 0.01 | 0.005 |
| 13-Mar-16 | 44 | 0.005 | 0.010 | 1.31 | 0.068 | 0.02 | 0.098 | 0.01 | 0.005 |
| 19-Mar-16 | 36 | 0.005 | 0.007 | 1.21 | 0.091 | 0.02 | 0.078 | 0.01 | 0.005 |
| 25-Mar-16 | - | - | - | - | - | - | - | - | - |
| 31-Mar-16 | 51 | 0.005 | 0.033 | 4.27 | 0.016 | 0.02 | 0.085 | 0.01 | 0.005 |
| 06-Apr-16 | 22 | 0.005 | 0.007 | 0.83 | 0.051 | 0.02 | 0.056 | 0.01 | 0.005 |
| 12-Apr-16 | 46 | 0.005 | 0.011 | 1.99 | 0.078 | 0.02 | 0.130 | 0.01 | 0.005 |
| 18-Apr-16 | 209 | 0.005 | 0.048 | 10.11 | 0.152 | 0.04 | 0.490 | 0.06 | 0.020 |
| 24-Apr-16 | 32 | 0.005 | 0.007 | 1.02 | 0.091 | 0.02 | 0.061 | 0.01 | 0.005 |
| 30-Apr-16 | 103 | 0.005 | 0.006 | 1.17 | 0.103 | 0.02 | 0.059 | 0.01 | 0.005 |
| 06-May-16 | 76 | 0.005 | 0.010 | 1.65 | 0.097 | 0.02 | 0.140 | 0.01 | 0.005 |
| 12-May-16 | 69 | 0.005 | 0.013 | 2.14 | 0.144 | 0.02 | 0.133 | 0.01 | 0.006 |
| 18-May-16 | 64 | 0.005 | 0.013 | 2.30 | 0.198 | 0.02 | 0.119 | 0.01 | 0.005 |
| 24-May-16 | 202 | 0.005 | 0.045 | 10.93 | 0.159 | 0.04 | 0.507 | 0.04 | 0.017 |
| 30-May-16 | 92 | 0.005 | 0.030 | 4.55 | 0.077 | 0.02 | 0.236 | 0.01 | 0.008 |
| 05-Jun-16 | 53 | 0.005 | 0.013 | 2.56 | 0.066 | 0.02 | 0.158 | 0.01 | 0.005 |
| 11-Jun-16 | - | - | - | - | - | - | - | - | - |
| 17-Jun-16 | 110 | 0.005 | 0.036 | 7.80 | 0.137 | 0.04 | 0.297 | 0.01 | 0.011 |
| 23-Jun-16 | 58 | 0.005 | 0.013 | 2.47 | 0.131 | 0.02 | 0.143 | 0.01 | 0.006 |
| 29-Jun-16 | 323 | 0.005 | 0.025 | 5.19 | 0.115 | 0.02 | 0.302 | 0.01 | 0.014 |

| 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-16 | 106 | 0.005 | 0.029 | 5.42 | 0.120 | 0.04 | 0.326 | 0.01 | 0.012 |
| 11-Jul-16 | 114 | 0.005 | 0.017 | 2.95 | 0.159 | 0.02 | 0.142 | 0.01 | 0.005 |
| 17-Jul-16 | 39 | 0.005 | 0.013 | 2.29 | 0.014 | 0.02 | 0.136 | 0.01 | 0.005 |
| 23-Jul-16 | 126 | 0.005 | 0.015 | 3.60 | 0.104 | 0.02 | 0.154 | 0.01 | 0.008 |
| 29-Jul-16 | 39 | 0.005 | 0.014 | 1.47 | 0.223 | 0.02 | 0.075 | 0.01 | 0.005 |
| ----- | | | | | | | | | |
| 04-Aug-16 | 91 | 0.005 | 0.030 | 5.35 | 0.133 | 0.02 | 0.305 | 0.01 | 0.010 |
| 10-Aug-16 | 70 | 0.005 | 0.026 | 5.68 | 0.085 | 0.04 | 0.234 | 0.01 | 0.006 |
| 16-Aug-16 | - | - | - | - | - | - | - | - | - |
| 22-Aug-16 | 78 | 0.005 | 0.027 | 4.69 | 0.080 | 0.02 | 0.321 | 0.01 | 0.010 |
| 28-Aug-16 | 49 | 0.005 | 0.018 | 2.34 | 0.097 | 0.02 | 0.140 | 0.01 | 0.006 |
| 03-Sep-16 | 28 | 0.005 | 0.008 | 1.02 | 0.126 | 0.02 | 0.041 | 0.01 | 0.005 |
| 09-Sep-16 | 47 | 0.005 | 0.018 | 2.91 | 0.207 | 0.02 | 0.193 | 0.01 | 0.006 |
| 15-Sep-16 | 33 | 0.005 | 0.012 | 1.69 | 0.135 | 0.02 | 0.076 | 0.01 | 0.005 |
| 21-Sep-16 | 148 | 0.005 | 0.064 | 14.92 | 0.174 | 0.17 | 0.603 | 0.03 | 0.017 |
| 27-Sep-16 | 90 | 0.005 | 0.027 | 6.80 | 0.073 | 0.02 | 0.208 | 0.01 | 0.009 |
| ----- | | | | | | | | | |
| 03-Oct-16 | 55 | 0.005 | 0.026 | 3.19 | 0.162 | 0.02 | 0.211 | 0.01 | 0.017 |
| 09-Oct-16 | 44 | 0.005 | 0.014 | 2.94 | 0.095 | 0.02 | 0.099 | 0.01 | 0.005 |
| 15-Oct-16 | 84 | 0.005 | 0.016 | 5.63 | 0.127 | 0.02 | 0.249 | 0.02 | 0.008 |
| 21-Oct-16 | 16 | 0.005 | 0.004 | 0.84 | 0.080 | 0.02 | 0.043 | 0.01 | 0.005 |
| 27-Oct-16 | 42 | 0.005 | 0.003 | 1.61 | 0.060 | 0.02 | 0.066 | 0.01 | 0.005 |
| 02-Nov-16 | 66 | 0.005 | 0.012 | 1.96 | 0.102 | 0.02 | 0.103 | 0.01 | 0.005 |
| 08-Nov-16 | 107 | 0.005 | 0.032 | 7.92 | 0.115 | 0.06 | 0.282 | 0.02 | 0.006 |
| 14-Nov-16 | 69 | 0.005 | 0.018 | 3.70 | 0.043 | 0.02 | 0.164 | 0.01 | 0.005 |
| 20-Nov-16 | 42 | 0.005 | 0.015 | 1.33 | 0.045 | 0.02 | 0.110 | 0.01 | 0.005 |
| 26-Nov-16 | 37 | 0.005 | 0.008 | 2.31 | 0.046 | 0.02 | 0.136 | 0.01 | 0.005 |
| 02-Dec-16 | 46 | 0.005 | 0.025 | 3.81 | 0.046 | 0.02 | 0.238 | 0.01 | 0.013 |
| 08-Dec-16 | 48 | 0.005 | 0.018 | 2.47 | 0.022 | 0.02 | 0.105 | 0.01 | 0.005 |
| 14-Dec-16 | 81 | 0.005 | 0.006 | 1.65 | 0.060 | 0.02 | 0.055 | 0.01 | 0.005 |
| 20-Dec-16 | 50 | 0.005 | 0.015 | 3.21 | 0.019 | 0.02 | 0.084 | 0.01 | 0.005 |
| 26-Dec-16 | 19 | 0.005 | 0.002 | 0.56 | 0.030 | 0.02 | 0.033 | 0.01 | 0.005 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Geo Mean | 58 | 0.005 | 0.014 | 2.52 | 0.074 | 0.02 | 0.126 | 0.01 | 0.006 |
| Max | 323 | 0.005 | 0.064 | 14.92 | 0.230 | 0.17 | 0.603 | 0.06 | 0.020 |
| Min | 16 | 0.005 | 0.002 | 0.45 | 0.014 | 0.02 | 0.033 | 0.01 | 0.005 |
| AAQC | 120 | 0.025 | 1.5 | 25.0 | 50 | 0.5 | 0.4 | 2 | 2 |
| No. > AAQC | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| No. of Samples | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |