HAMN
HAMILTON AIR MONITORING NETWORK

# 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-17 | 38 | 0.005 | 0.018 | 3.47 | 0.035 | 0.02 | 0.149 | 0.03 | 0.010 |
| 07-Jan-17 | 51 | 0.005 | 0.023 | 5.27 | 0.028 | 0.02 | 0.114 | 0.12 | 0.006 |
| 13-Jan-17 | 42 | 0.005 | 0.012 | 2.46 | 0.061 | 0.02 | 0.121 | 0.01 | 0.006 |
| 19-Jan-17 | 105 | 0.005 | 0.018 | 5.39 | 0.038 | 0.02 | 0.169 | 0.10 | 0.005 |
| 25-Jan-17 | 39 | 0.005 | 0.005 | 1.38 | 0.034 | 0.02 | 0.099 | 0.01 | 0.005 |
| 31-Jan-17 | 64 | 0.005 | 0.015 | 5.31 | 0.052 | 0.02 | 0.070 | 0.11 | 0.005 |
| 06-Feb-17 | 89 | 0.005 | 0.042 | 11.69 | 0.062 | 0.02 | 0.173 | 0.23 | 0.006 |
| 12-Feb-17 | 32 | 0.005 | 0.014 | 3.45 | 0.031 | 0.02 | 0.079 | 0.01 | 0.005 |
| 18-Feb-17 | 58 | 0.005 | 0.032 | 3.23 | 0.040 | 0.02 | 0.132 | 0.01 | 0.006 |
| 24-Feb-17 | 28 | 0.005 | 0.017 | 2.67 | 0.073 | 0.02 | 0.177 | 0.01 | 0.005 |
| ----- | | | | | | | | | |
| 02-Mar-17 | 66 | 0.005 | 0.016 | 3.69 | 0.029 | 0.02 | 0.164 | 0.01 | 0.009 |
| 08-Mar-17 | 91 | 0.005 | 0.025 | 6.38 | 0.032 | 0.02 | 0.316 | 0.01 | 0.010 |
| 14-Mar-17 | 43 | 0.005 | 0.009 | 0.89 | 0.052 | 0.02 | 0.041 | 0.01 | 0.005 |
| 20-Mar-17 | 64 | 0.005 | 0.054 | 10.21 | 0.006 | 0.02 | 0.147 | 0.19 | 0.013 |
| 26-Mar-17 | 25 | 0.005 | 0.006 | 0.76 | 0.063 | 0.02 | 0.039 | 0.01 | 0.005 |
| 01-Apr-17 | 26 | 0.005 | 0.011 | 1.49 | 0.059 | 0.02 | 0.093 | 0.01 | 0.005 |
| 07-Apr-17 | 50 | 0.005 | 0.013 | 3.09 | 0.055 | 0.02 | 0.100 | 0.01 | 0.005 |
| 13-Apr-17 | 93 | 0.005 | 0.043 | 8.64 | 0.112 | 0.02 | 0.352 | 0.07 | 0.012 |
| 19-Apr-17 | 55 | 0.005 | 0.016 | 2.64 | 0.050 | 0.02 | 0.141 | 0.01 | 0.005 |
| 25-Apr-17 | 34 | 0.005 | 0.011 | 1.47 | 0.026 | 0.02 | 0.089 | 0.01 | 0.005 |
| 01-May-17 | 41 | 0.005 | 0.130 | 10.21 | 0.068 | 0.02 | 0.068 | 0.10 | 0.054 |
| 07-May-17 | 31 | 0.005 | 0.036 | 1.17 | 0.449 | 0.02 | 0.067 | 0.02 | 0.005 |
| 13-May-17 | 89 | 0.005 | 0.017 | 3.94 | 0.102 | 0.02 | 0.164 | 0.01 | 0.007 |
| 19-May-17 | 68 | 0.005 | 0.009 | 1.86 | 0.068 | 0.02 | 0.105 | 0.01 | 0.005 |
| 25-May-17 | 32 | 0.005 | 0.019 | 1.65 | 0.151 | 0.02 | 0.126 | 0.01 | 0.009 |
| 31-May-17 | 140 | 0.005 | 0.019 | 4.80 | 0.070 | 0.02 | 0.163 | 0.02 | 0.007 |
| 06-Jun-17 | 29 | 0.005 | 0.005 | 0.50 | 0.002 | 0.02 | 0.039 | 0.01 | 0.005 |
| 12-Jun-17 | 139 | 0.005 | 0.033 | 9.14 | 0.040 | 0.02 | 0.286 | 0.01 | 0.011 |
| 18-Jun-17 | 64 | 0.005 | 0.017 | 2.95 | 0.019 | 0.02 | 0.117 | 0.01 | 0.005 |
| 24-Jun-17 | 71 | 0.005 | 0.022 | 4.89 | 0.049 | 0.02 | 0.200 | 0.01 | 0.005 |
| 30-Jun-17 | 63 | 0.005 | 0.007 | 2.11 | 0.013 | 0.02 | 0.059 | 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 | | | | | | | | | |
| 06-Jul-17 | 125 | 0.005 | 0.035 | 10.99 | 0.082 | 0.02 | 0.315 | 0.01 | 0.011 |
| 12-Jul-17 | 93 | 0.005 | 0.012 | 2.58 | 0.069 | 0.02 | 0.095 | 0.01 | 0.005 |
| 18-Jul-17 | 112 | 0.005 | 0.022 | 5.25 | 0.069 | 0.02 | 0.217 | 0.01 | 0.005 |
| 24-Jul-17 | 59 | 0.005 | 0.007 | 1.72 | 0.064 | 0.02 | 0.076 | 0.01 | 0.005 |
| 30-Jul-17 | 90 | 0.005 | 0.015 | 2.51 | 0.050 | 0.02 | 0.144 | 0.01 | 0.013 |
| ----- | | | | | | | | | |
| 05-Aug-17 | - | - | - | - | - | - | - | - | - |
| 11-Aug-17 | - | - | - | - | - | - | - | - | - |
| 17-Aug-17 | 82 | 0.005 | 0.009 | 2.02 | 0.159 | 0.02 | 0.107 | 0.01 | 0.005 |
| 23-Aug-17 | 80 | 0.005 | 0.021 | 5.95 | 0.040 | 0.02 | 0.252 | 0.01 | 0.009 |
| 29-Aug-17 | 61 | 0.005 | 0.008 | 1.64 | 0.084 | 0.02 | 0.071 | 0.01 | 0.005 |
| 04-Sep-17 | 89 | 0.005 | 0.026 | 5.55 | 0.033 | 0.04 | 0.234 | 0.03 | 0.009 |
| 10-Sep-17 | 38 | 0.005 | 0.012 | 4.78 | 0.130 | 0.02 | 0.110 | 0.01 | 0.005 |
| 16-Sep-17 | 62 | 0.005 | 0.019 | 4.24 | 0.115 | 0.02 | 0.160 | 0.01 | 0.008 |
| 22-Sep-17 | 91 | 0.005 | 0.023 | 6.09 | 0.197 | 0.02 | 0.174 | 0.01 | 0.006 |
| 28-Sep-17 | 64 | 0.005 | 0.013 | 2.63 | 0.085 | 0.02 | 0.142 | 0.01 | 0.006 |
| 04-Oct-17 | 102 | 0.005 | 0.030 | 8.71 | 0.025 | 0.02 | 0.385 | 0.01 | 0.016 |
| 10-Oct-17 | - | - | - | - | - | - | - | - | - |
| 16-Oct-17 | 110 | 0.005 | 0.046 | 17.47 | 0.072 | 0.02 | 0.213 | 0.53 | 0.012 |
| 22-Oct-17 | 45 | 0.005 | 0.004 | 3.90 | 0.046 | 0.02 | 0.090 | 0.01 | 0.005 |
| 28-Oct-17 | 42 | 0.005 | 0.006 | 3.73 | 0.004 | 0.02 | 0.188 | 0.01 | 0.008 |
| 03-Nov-17 | 45 | 0.005 | 0.005 | 0.89 | 0.069 | 0.02 | 0.054 | 0.01 | 0.005 |
| 09-Nov-17 | 74 | 0.005 | 0.018 | 3.39 | 0.026 | 0.02 | 0.195 | 0.01 | 0.009 |
| 15-Nov-17 | 76 | 0.005 | 0.017 | 3.04 | 0.061 | 0.02 | 0.151 | 0.01 | 0.007 |
| 21-Nov-17 | 65 | 0.005 | 0.012 | 2.37 | 0.018 | 0.02 | 0.186 | 0.01 | 0.005 |
| 27-Nov-17 | 66 | 0.005 | 0.014 | 2.73 | 0.046 | 0.02 | 0.193 | 0.01 | 0.008 |
| ----- | | | | | | | | | |
| 03-Dec-17 | 64 | 0.005 | 0.009 | 3.93 | 0.086 | 0.02 | 0.150 | 0.01 | 0.005 |
| 09-Dec-17 | 35 | 0.005 | 0.001 | 1.74 | 0.002 | 0.02 | 0.086 | 0.01 | 0.005 |
| 15-Dec-17 | 18 | 0.005 | 0.010 | 0.99 | 0.002 | 0.02 | 0.030 | 0.01 | 0.005 |
| 21-Dec-17 | 56 | 0.005 | 0.001 | 1.01 | 0.019 | 0.02 | 0.062 | 0.01 | 0.005 |
| 27-Dec-17 | 37 | 0.005 | 0.001 | 0.95 | 0.002 | 0.02 | 0.064 | 0.01 | 0.005 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Geo Mean | 58 | 0.005 | 0.014 | 3.10 | 0.040 | 0.02 | 0.123 | 0.02 | 0.007 |
| Max | 140 | 0.005 | 0.130 | 17.47 | 0.449 | 0.04 | 0.385 | 0.53 | 0.054 |
| Min | 18 | 0.005 | 0.001 | 0.50 | 0.002 | 0.02 | 0.030 | 0.01 | 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 | 0 | 0 | 0 |
| Sampling Dates | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 |
| Valid Samples | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| % Valid Data | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |