



Hamilton Air Monitoring Network - PAH Report

STN29180 - PAH - Burlington / Gage, Hamilton

| PAH Parameter | 10-Jan-21 | 22-Jan-21 | 03-Feb-21 | 15-Feb-21 | 27-Feb-21 | 11-Mar-21 | 23-Mar-21 | 04-Apr-21 | 16-Apr-21 | 28-Apr-21 | 10-May-21 | 22-May-21 | 03-Jun-21 | 15-Jun-21 | 27-Jun-21 |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-------------|-----------|-----------|-------------|-----------|-----------|
| BENZO(A)ANTHRACENE | 0.56 | 0.34 | 0.25 | 0.11 | 0.15 | 0.34 | 5.36 | 0.27 | 0.22 | 2.41 | 0.18 | 0.08 | 1.17 | 0.28 | 0.05 |
| CHRYSENE | 0.56 | 0.46 | 0.45 | 0.29 | 0.29 | 0.48 | 7.90 | 0.48 | 0.38 | 5.12 | 0.34 | 0.19 | 1.99 | 0.49 | 0.08 |
| BENZO(B)FLUORANTHENE | 0.47 | 0.41 | 0.46 | 0.25 | 0.29 | 0.47 | 6.74 | 0.45 | 0.32 | 5.66 | 0.29 | 0.16 | 2.54 | 0.36 | 0.08 |
| BENZO(K)FLUORANTHENE | 0.38 | 0.18 | 0.16 | 0.13 | 0.11 | 0.20 | 3.47 | 0.20 | 0.18 | 2.65 | 0.15 | 0.07 | 1.25 | 0.16 | 0.04 |
| BENZO(A)PYRENE (B[a]P) | 0.32 | 0.30 | 0.22 | 0.11 | 0.18 | 0.41 | 3.93 | 0.25 | 0.22 | 2.40 | 0.19 | 0.09 | 1.33 | 0.23 | 0.06 |
| INDENO(123CD)PYRENE | 0.25 | 0.20 | 0.22 | 0.18 | 0.13 | 0.28 | 4.68 | 0.29 | 0.23 | 3.19 | 0.20 | 0.13 | 2.39 | 0.25 | 0.07 |
| DIBENZO(A,H)ANTHRACENE | 0.06 | 0.08 | 0.14 | 0.07 | 0.07 | 0.07 | 0.73 | 0.06 | 0.04 | 0.52 | 0.04 | 0.05 | 0.41 | 0.06 | 0.05 |
| BENZO(GHI)PERYLENE | 0.18 | 0.14 | 0.16 | 0.11 | 0.11 | 0.21 | 3.57 | 0.24 | 0.21 | 2.58 | 0.18 | 0.11 | 2.05 | 0.21 | 0.07 |

| PAH Parameter | 09-Jul-21 | 21-Jul-21 | 02-Aug-21 | 14-Aug-21 | 26-Aug-21 | 07-Sep-21 | 19-Sep-21 | 01-Oct-21 | 13-Oct-21 | 25-Oct-21 | 06-Nov-21 | 18-Nov-21 | 30-Nov-21 | 12-Dec-21 | 24-Dec-21 | Ave | Max | Min |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|------|
| BENZO(A)ANTHRACENE | 0.22 | 0.34 | 0.17 | 0.11 | 0.11 | 0.09 | 0.32 | | | | | | | | | 0.60 | 5.36 | 0.05 |
| CHRYSENE | 0.37 | 0.38 | 0.28 | 0.18 | 0.18 | 0.17 | 0.55 | | | | | | | | | 0.98 | 7.90 | 0.08 |
| BENZO(B)FLUORANTHENE | 0.49 | 0.48 | 0.33 | 0.22 | 0.19 | 0.15 | 0.60 | | | | | | | | | 0.97 | 6.74 | 0.08 |
| BENZO(K)FLUORANTHENE | 0.22 | 0.25 | 0.16 | 0.14 | 0.11 | 0.07 | 0.27 | | | | | | | | | 0.48 | 3.47 | 0.04 |
| BENZO(A)PYRENE (B[a]P) | 0.23 | 0.35 | 0.20 | 0.19 | 0.18 | 0.10 | 0.37 | | | | | | | | | 0.54 | 3.93 | 0.06 |
| INDENO(123CD)PYRENE | 0.32 | 0.37 | 0.24 | 0.22 | 0.16 | 0.14 | 0.51 | | | | | | | | | 0.67 | 4.68 | 0.07 |
| DIBENZO(A,H)ANTHRACENE | 0.07 | 0.07 | 0.05 | 0.04 | 0.05 | 0.03 | 0.08 | | | | | | | | | 0.13 | 0.73 | 0.03 |
| BENZO(GHI)PERYLENE | 0.27 | 0.31 | 0.20 | 0.19 | 0.16 | 0.14 | 0.53 | | | | | | | | | 0.54 | 3.57 | 0.07 |

Measurement units : ng/m³
 Minimum detection limit (MDL) : 0.1 ng/m³
 Reported values < 0.1 ng/m³ : Target compound meets identification criteria but is < MDL
 Reported '0.00' values : Analyte not detected
 B[a]P 24 Hour AAQC : 0.05 ng/m³
 B[a]P 24 Hour Reference Level : 1.10 ng/m³
 B[a]P O.Reg 419/05 URT 24 Hour Objective : 5.00 ng/m³
 B[a]P AAQC Annual arithmetic mean : 0.01 ng/m³

Note: " --- " indicates invalid sample

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| Number of Sample Dates | 22 |
| Number of Valid Samples | 22 |
| Percent Valid Data (%) | 100.0 |
| Maximum 24 Hr B[a]P | 3.93 |
| Number of Samples > 24 Hour B[a]P AAQC | 0 |
| Number of Samples > B[a]P Ref. Level | 0 |
| Number of Samples > B[a]P URT | 0 |
| Annual B[a]P Arithmetic Mean | 0.54 |