

Air Pollution Report

1st January to 31st December 2019



South Holland Westmere School (Site ID: SHOL)

These data have been fully ratified

Only relevant statistics for LAQM are presented in the table. Cells with - indicate no data available or calculated.

| Pollutant | O ₃ µg/m ³ | NO µg/m ³ | NO ₂ µg/m ³ | NO _x as NO ₂ µg/m ³ | PM ₁₀ µg/m ³ |
|----------------------------------|-------------------------------------|-------------------------|--------------------------------------|---|---------------------------------------|
| Number Days Low | 364 | - | 365 | - | 364 |
| Number Days Moderate | 15 | - | 0 | - | 0 |
| Number Days High | 1 | - | 0 | - | 0 |
| Number Days Very High | 0 | - | 0 | - | 0 |
| Max 8 Hour Ozone | 166 | - | - | - | - |
| Max Daily Mean | 120 | 17 | 49 | 74 | 47 |
| Annual Max | 191 | 107 | 78 | 242 | 114 |
| Annual Mean | 50 | 2 | 9 | 12 | 14 |
| 98th Percentile of daily mean | - | - | - | - | 38 |
| 90th Percentile of daily mean | - | - | - | - | 23 |
| 99.8th Percentile of hourly mean | - | - | 62 | - | - |
| 98th Percentile of hourly mean | 98 | 8 | 39 | 49 | 42 |
| 95th Percentile of hourly mean | 86 | 4 | 28 | 34 | 33 |
| 50th Percentile of hourly mean | 49 | 1 | 6 | 8 | 12 |
| % Annual data capture | 99.45 | 99.68 | 99.68 | 99.68 | 98.86 |

Instruments:

PM₁₀: Conventional TEOM Gravimetric Equivalent (VCM correction applied)

All gaseous pollutant mass units are at 20°C and 1013mb. Particulate matter concentrations are reported at ambient temperature and pressure. NO_x mass units are NO_x as NO₂ µg/m³

| Pollutant | Air Quality Standards regulations 2010 | Exceedances | Days |
|---|--|-------------|-----------|
| PM ₁₀ particulate matter (Hourly measured) | daily mean > 50 microgrammes per metre cubed | 0 | 0 |
| PM ₁₀ particulate matter (Hourly measured) | Annual mean > 40 microgrammes per metre cubed | 0 | - |
| Nitrogen dioxide | Hourly Mean > 200 microgrammes per metre cubed | 0 | 0 |
| Nitrogen dioxide | Annual Mean > 40 microgrammes per metre cubed | 0 | - |
| Ozone | 8-hour running mean > 100 microgrammes per metre cubed | 126 | 15 |

Annual Graph

No graph is currently available for this monitoring site