**Ambient or Clearance [select as appropriate] Air Sampling Results – Total Fibre count**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project No.:** |  | **Work Area** |  |
| **Client:** | University of Toronto | **Shift Date:** |  |
| **Project Location:** |  | **Contractor:** |  |
| **Name of Consulting Company** |  | **Name of Consultant assigned on-site** |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample #** | **Sampling Date** | **Sampling Location** | **Sampling Time (From To)** | **Total Sampling Time (minutes)** | **Air Volume Sampled (Liters)** | **Fibre Concentration (f/cc)** | **Result acceptable?****(Yes/No)** |
|  |  |  |  |  |  | Instruction: for ambient and clearance if value >LOD, state value; if <LOD, state “<LOD”; if the value is between the LOD and LOQ, it should be reported numerically and enclosed in parentheses to emphasize the imprecision of the result |  For ambient sampling, state “yes” if less than the internal action limit of 0.05 f/cc.For clearance air sampling, please state “yes” if less than the clearance limit of 0.01 f/cc.  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**General Notes:**

1. Collection and analysis of the air samples was performed by Phase Contrast Microscopy (PCM) in accordance with NIOSH method # 7400 (A counting rules). Samples were collected on a cellulose ester membrane filter with 0.8 micrometre pore size and 25 millimetre diameter. The filter was mounted inside a three piece filter cassette with two inch conductive cowl. Sampling pumps are calibrated before and after the sampling period. The flow rate used to determine the volume presented on this report is the average of the two flow measurements.
2. f/cc – fibers per cubic centimeter of ambient air
3. Limit of Detection (LOD) is 7 fibres/mm2; Limit of Quantitation (LOQ) is 100 fibres/mm2; " < " denotes less than. The LOD is reported in units of f/cc and varies depending on the total volume of sampled air. For example, the LOD for a 900 L sample would be approximately 0.003 f/cc and for a 2700 L sample, it would be 0.001 f/cc. The higher the volume, the lower the LOD will be. If the numeric value of the result is between the LOD and the LOQ (limit of quantification), the numeric value will be reported in parentheses (e.g. “(0.008)”).
4. Ambient air sampling results are acceptable if < the internal action limit of 0.05 f/cc; clearance air sampling results are acceptable if < the clearance limit of 0.01 f/cc.
5. Type 3 inspection reports are available from the Asbestos Data webpage under the “Documents” tab: <https://asbestos.fs.utoronto.ca/>.

Template version: March 11, 2024