Indoor Air Quality Testing at Bloomberg Headquarters

Test Enquiry

BSRIA was commissioned by Sir Robert McAlpine to test the indoor air quality of the Bloomberg building in London in 2017, in accordance with BREEAM requirements.

Test Methodology

BSRIA identified several testing areas on the different floors, which were representative of the whole building and agreed them with the client prior to testing.

Each location was tested for Total Volatile Organic Compounds (TVOC) and formaldehyde (H_2CO), following the procedures of BS EN 16000-3 for TVOC and BS EN 16000-6 for H_2CO.

Sampling was taken at a height of 1.1 m, which is the standard height for a seated person, according to BS EN 7730. A known volume of air was sampled into Tenax tubes and Silica Gel tubes, for TVOC and H_2CO respectively, which were analysed using GS/MS and HPLC methodologies by an external accredited laboratory. The results were presented as micrograms per cubic meter of air and compared with the BREEAM limits.

Summary

Testing for IAQ helped our Client achieve the BREEAM Indoor Air Quality credit. The Bloomberg building subsequently received the Outstanding rating against the BREEAM sustainability assessment method.

'BSRIA was very helpful in providing guidance on the most efficient approach to our Air Quality Testing. With their help we were able to earn our BREEAM credits, which contributed greatly to our overall scoring'

Stefanie Lopez

Package Engineer

Sir Robert M^{c}Alpine Ltd