



Occupational hygiene
analysis to prevent ill-health
in the workplace



Marchwood is the UK's leading specialist laboratory for independent occupational hygiene analysis. We offer a range of UKAS accredited services for the occupational and air quality sectors. From dust and metals analysis to ambient air analysis and biological monitoring, Marchwood helps businesses remain compliant with legislation to protect those in the workplace.

Our occupational hygiene analysis services include:

- Dust and gravimetric
- Acid mist
- Metals
- Arsenic
- Fumes
- VOCs and SVOCs
- Diesel exhaust emissions
- Isocyanate analysis for biological monitoring
- Ambient air
- Hexavalent chromium
- Aldehydes

Why monitor occupational health?

Companies have a legal and ethical responsibility to protect the health, safety, and welfare of their team members, customers, and anyone else that comes into contact with their business. Occupational hygienists undertake regular and thorough risk assessments, as well as instruct and inform team members on how to deal with those risks.

There are four types of agents that occupational hygienists must investigate, identify, evaluate and control to help prevent ill-health in the workplace: chemical, physical, biological, and ergonomic agents. All have potentially harmful effects, from respiratory irritants and bacterial infection to muscular disorders and cancer.

Occupational hygiene analysis is conducted on a regular basis. Routine tests are based on Methods for the Determination of Hazardous Substances (MDHS), (Occupational Safety and Health Administration (OSHA) and National Institute for Occupational Safety & Health (NIOSH) methodologies for full compliance.



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Assess direct chemical exposure with specialist biological monitoring

Biological monitoring provides a clear snapshot of the overall safety of a workplace. It helps businesses check that control measures are working, that workplace practices are protective, and that training is understood and followed.

Assessing a worker's direct chemical exposure with a urine sample is useful in workplace environments where chemicals can be absorbed through the skin. Our urine analysis service tests for exposure to chemicals or metabolites, including isocyanates, VOCs, and metals. Results are corrected in line with Health & Safety Executive (HSE) published guidance for ease when comparing exposure limits.

Specialist occupational hygiene services

Marchwood regularly develops new analysis methods and offers the following specialist analysis services:

- Low level acrolein using GC/QQQ
- Low level hexavalent chromium
- Low level metal by ICP/MS

We work closely with customers to develop effective solutions for specific needs. To discuss your analytical requirements, please contact Jenny Wraith, Business Development Manager.

How to order our services

Booking in your samples for analysis is straightforward and simple. Our experienced specialists will support you with technical advice on which analysis services you need for your workplace, as well as sampling protocols and media requirements.

To make the sampling process for biological monitoring and our other analysis services as easy and efficient as possible, we provide pre-paid return labels and bags with all sample kits. Completely free of charge, these comprise a sample pot (and preservative where required), an outer storage pot, an absorbent pad, a consent form, and a pre-paid return envelope. Sampling kits are supplied with same day despatch.

To discuss your requirements or order your kit, contact customer services.

Contact us on

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