

B. A. Hydro Solutions Limited (BAHS)

Laboratory Services offer a range of analyses on water, soil and rock. BAHS have recently worked with InterFocus to extend and refurbish our laboratory with the highest specification furniture and new equipment.

BAHS lab is operated by degree qualified staff, all of whom have many years of experience at BAHS and other leading laboratories. We have specialists in chemistry, microbiology and soil/rock sciences.

The laboratory offers a range of services, the most common of which are: water quality analysis, grain size analysis and thermal characterisation of samples. We can offer a range of other tests in related fields so please ask if you need a particular test completed.

Water Quality:

BAHS offer analysis and reporting of water samples in as little as 6 hours from receipt of sample. The lab is able to receive and process samples Monday to Friday from 8am to 5pm (excluding bank holidays). We offer more than 50 tests on a same day, or next day service; these are not UKAS tests due to the rapid turnaround, although routine checks demonstrate the results are as accurate as UKAS tests.



BAHS work in partnership with several local laboratories offering UKAS testing, and these results take up to 10 working days to complete.

Grain Size Analysis:

BAHS are able to quickly process samples and complete analysis of grain size distributions. Results can be used to determine screen slot sizes for abstraction boreholes, for filter processes and general characterisation of samples. Typically, samples need to be received before 4pm and results are reported by 10am the next working day.



Thermal Characterisation:

BAHS are able to measure the thermal conductivity, specific heat capacity, thermal diffusivity, volumetric heat capacity, porosity and bulk density of soils, sediments, rocks, grout and almost any material. Samples are prepared and tested at our Cambridge lab, and results can be provided quickly depending on the requirement.

For porous materials the thermal properties can be measured with different moisture content. Disturbed and undisturbed samples can be tested providing a sufficient volume is received. The laboratory normally requires a 100x100x100 millimetre square sample.