

METHOD STATEMENT

Determinand:

Geosmin and Methyl Isoborneol (MIB)

Matrix:

Sample Type: Waters abstracted for potable supply and potable waters.

Principle of Method:

Approximately 200ml of sample is acidified to approximately pH 2 in the bottle and then extracted with approximately 20ml of hexane. 6ml of the solvent layer is collected into a turbovap tube and internal standard added, the extract is then concentrated to 0.1ml. Analysis is by GCMSMS.

Interferences:

Any compound, which passes through the extraction procedure and that co-elutes with any of the analytes and produces a significant response to the relevant transitions being monitored.

Performance of Method:

Range of Application:

The operational range for each compound is from the limit of detection to 50ng/l. Samples producing results outside this range should be diluted as necessary to bring them within this range.

Limit of Detection:

Compound	Limit of Detection ng/l
Methyl Isoborneol	2
Geosmin	1

References:

In house Method

