Establishment of quantitative PCR methods for the quantification of geosmin-producing potential and Anabaena sp. in freshwater systems

Highlights

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- Two qPCR assays were established to quantify *Anabaena* abundance and geosmin-producing potential.
- ARG copy number correlated with microscopic *Anabaena* counts across culture and field samples.
- GSG copy number correlated with intracellular geosmin measured by GC-MS.
- The assays reduced time to results from several days to a few hours in the historical workflow.