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INTRODUCTION

Accurate and reliable analytical results in environmental water research fundamentally depend on the proper implementation of water sampling procedures. Therefore, it is essential to develop a comprehensive and detailed sampling strategy prior to initiating any analysis. The key features that should be considered when designing a sampling protocol for physical and chemical analyses of surface waters based on international standards (ISO) are presented below.



CONCLUSIONS

Given the diversity of available sampling and sample handling methodologies, the appropriate procedures must be carefully structured and adapted to the specific situation to obtain optimal research results. Sampling personnel is responsible to take all possible measures to prevent sample contamination until delivery to the laboratory. Sampling and sample handling process must be controlled regularly, in order to promptly detect and correct errors, thus enhancing the overall reliability and efficiency of sampling performance. The priority at every stage of planning and implementing sampling protocol should be the safety of personnel, equipment and the environment.

REFERENCES

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