

Introduction

Coring types and tracer runs: how contamination testing is currently implemented on board *JOIDES Resolution*

Coring systems and how they impact potential contamination

APC and XCB coring

RCB coring

Contaminant tracers and deployment methods

Deployment of perfluorocarbon tracers and subsequent sampling

Deployment of particulate tracers (microspheres)

Alternative tracer strategies and control samples

Postexpedition sampling recommendations

Sampling during a shore-based sampling party

Expectation management for scientists and JRSO staff

Preexpedition planning considerations

What to expect with three or more sailing microbiologists

What to expect with 1 or 2 sailing microbiologists

What to expect with no sailing microbiologists but either a sailing scientist in a different role (i.e., geochemist) or shore-based participants that request sampling during an expedition

Conclusions

Acknowledgments

References