

Variable	Platform	Analytical method	Method ranking	Accuracy
Dis. oxygen	E1-M3A, HCB	Winkler (against CTD sensor)	Best	$< 0.02 \text{ mL L}^{-1}$
$A_T$	E1-M3A, FB	Potentiometric titration (closed cell)	Best	$< 0.1 \%$
DIC	E1-M3A, FB	Coulometric determination	Best	$< 0.1 \%$
TEP	E1-M3A	Colorimetric determination	NA	$< 11 \%$
POC/ PN	E1-M3A (+ traps)	High temperature combustion via elemental analyzer	Good	$< 3.5 \%$ $< 2.5 \%$
DOC or TOC	E1-M3A	High temperature combustion	Best	$< 3 \%$
TDN	E1-M3A	Persulfate oxidation	Good	$< 5 \%$
DOP	E1-M3A	Persulfate oxidation	Best	$< 5 \%$
Primary production	E1-M3A	$^{14}\text{C}$ ; fractional day incubations scaled to daily rates	Acceptable	NA
Bacterial production	E1-M3A	$^3\text{H}$ -labelled leucine method	Best	NA