

## Marine Beaches Water Sample Analytical Protocols

Analyte	Preservation	Holding Time	Method	MDL	Description
<b>Bacteria</b>					
Fecal coliform	Refrigerate to < 6°C	24 hours until analysis	SM9222-D	--	Membrane filtration
<i>Enterococcus</i>	Refrigerate to < 6°C	24 hours until analysis	SM9230-C	--	Membrane filtration
<b>Nutrients</b>					
Ammonia Nitrogen	Filter & freeze within 1 day	14 days @ -20°C	Kerouel & Aminot 1997	0.002 mg/L	Colorimetric analysis on autoanalyzer
Nitrite/Nitrate Nitrogen	Filter & freeze within 1 day	14 days @ -20°C	SM4500-NO3-F	0.01 mg/L	Colorimetric analysis on autoanalyzer
Total Nitrogen	H <sub>2</sub> SO <sub>4</sub> to pH<2 within 15 minutes	28 days @ <6°C	SM4500-N-C	0.1 mg/L	Colorimetric analysis on autoanalyzer
Orthophosphate Phosphorus	Freeze within 2 days	28 days @ -20°C	SM4500-P-F S	0.005 mg/L	Colorimetric analysis on autoanalyzer
<b>Physicals</b>					
Salinity	Refrigerate to < 6°C	28 days	SM2520-B	2 PSS	Electrical conductivity