

Saxitoxin in Water Samples Quick Reference Guide

Classification	Salinity (Parts Per Thousand)	Seawater Percentage	Recommended Procedure	Preservation at Time of Collection	Necessary Dilution to Remove Matrix Interference	Correction Factor*
Seawater	27-38	70-100%	Analysis with Seawater Standards and Procedure	None	None	N/A
Brackish (moderate to heavily)	16 to <27	40 to 70%	Analysis with Seawater Standards and Procedure	None	1:1 (for example, 1 mL Seawater Diluent + 1 mL seawater sample)	2
Brackish (mild to moderate)	4 to <16	10 to 40%	Analysis with Seawater Standards and Procedure	None	1:4 (for example, 3 mL Seawater Diluent + 1 mL seawater sample)	4
Brackish (mild)	>1 to <4	<10%	Analysis with Freshwater Standards and Procedure	Samples containing <5% seawater (<2 parts per thousand) must be preserved with 10X preservation solution at time of collection (see bulletin); samples containing ≥5% seawater (≥ 2 parts per thousand) do not require preservation	None	1.1 for samples containing <5% seawater (<2 parts per thousand); no correction factor for samples containing ≥5% seawater (≥ 2 parts per thousand)
Drinking Water	1	N/A	Analysis with Freshwater Standards and Procedure	With 10X preservation solution at time of collection (see bulletin)	None	1.1
Freshwater	<0.1	N/A	Analysis with Freshwater Standards and Procedure	With 10X preservation solution at time of collection (see bulletin)	None	1.1

Please see the Saxitoxin in Freshwater and Saxitoxin in Seawater technical bulletins for detailed information on water sample collection, preservation, and analysis.

* = Assay result must be multiplied by appropriate correction factor to obtain accurate quantitative results.