

EcoAnalysts Cyanotoxin Collection Quick Reference Guide

1. Determining if an Algae toxin is present in your system: Microcystin, Cylindrospermopsin, Anatoxin-a.

Currently there are no quick determination tests for Saxitoxin or other toxins.

- a. **EcoAnalysts will provide glass collection containers for the two samples you will need to ship overnight on ice.**

2. Determining the concentration of a known algae toxin in your system:

- a. Please select the table for either recreational or drinking water.
- b. follow the collection guide for the specific toxin the sample will be analyzed for.
- c. Ship to EcoAnalysts overnight on Ice.

****NOTE: EcoAnalysts may need to provide materials for collection****

Table 1: Recreational water

Algae Toxin	Collection	Sample preservation
Anatoxin-a	Collect 90mL of water into an amber glass container	add 10mL of sample diluent
Cylindrospermopsin	Collect 100mL of water into a glass container	n/a
Microcystin/Nodularins	Collect 100mL of water into a glass container	n/a
Saxitoxin	Collect 90mL of water into a glass container	add 10mL of sample diluent

Table 2: Treated Drinking Water

Algae Toxin	Collection	Sample preservation
Anatoxin-a	Collect 90mL of water into an amber glass container	add 10mL of sample diluent and 10mg of ascorbic acid
Cylindrospermopsin	Collect 100mL water into a glass container	Add 10mg of sodium thiosulfate
Microcystin/Nodularins	Collect 100mL of water into a glass container	Add 10mg of sodium thiosulfate
Saxitoxin	Collect 90mL of water into a glass container	add 10mL of sample diluent and 10mg of ascorbic acid

Disclaimer: This guide is designed to be as straight forward as possible, long form collection guidance can be provided for each toxin if desired. Preference should be given to current recommendations by state/local regulatory agencies followed if guidance differs.