

OARC Recharge Services

The OARC will analyze seawater samples for Dissolved Inorganic Carbon (DIC) and Total Alkalinity (TA) at cost.

DIC/TA

Versatile Instrument for the Determination of Total Alkalinity ([VINDTA](#))
Automated InfraRed Inorganic Carbon Analyzer ([AIRICA](#))

The OARC runs all samples on Marianda equipment that is calibrated with Certified Reference Materials (CRMs) from Andrew Dickson's laboratory at the Scripps Institute of Oceanography of the University of California San Diego.

Sample Submission

New clients must submit a brief project description to [Natalie Monacci](#) to begin a new business agreement. This is to ensure that the suitability of the OARC instrumentation, sample analysis rates, and associated deadlines are known in advance of sample submissions. Once a new project is approved, samples must be submitted as follows:

1. All bottles must be sampled correctly, including but not limited to a tight fitting cap, appropriate headspace volume, >200mL total volume, treated with mercuric chloride upon sampling, and labeled with a brief sample ID.
2. All samples must be submitted with a digital sample log including Sample ID, depth, temperature, and salinity. Examples of logs can be found on our [website](#).
3. An OARC work authorization form will be filled out, signed, and submitted with the digital sample log.
4. A PO (external to UAF) or account number (internal to UAF) must be set up and approved through our business office before analysis will begin.

Sample analysis time may range between one and six months after the samples are received.

The OARC can provide sample bottles, boxes, and sampling supplies, if discussed ahead of time. The cost to replace the supplies will be charged if not returned within one year.

Current Rates

Type	User	OARC bottles	UAF Rate per sample	Non-UAF Rate per sample
DIC/TA	Non-student	No	\$107	\$119
DIC/TA	Non-student	Yes	\$110	\$122
DIC/TA	UAF student	Yes	\$60*	n/a

*UAF students must submit a project description with additional approval from their main adviser. The reduced rate is limited to 100 samples. The student must be present in Fairbanks to assist with lab duties to receive the reduced rate.

Shipping

Bottles are frequently broken, so please pack appropriately to minimize loss.

USPS, UPS, and FedEx (small shipments)

2150 Koyukuk Drive
245 O'Neill Building
Fairbanks, AK 99775

All Large shipments (fish totes, pallets, etc)

2140 Koyukuk Drive
Irving Loading Dock
Fairbanks, AK 99775



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