



SOEST LABORATORY
FOR ANALYTICAL BIOGEOCHEMISTRY

University of Hawaii at Manoa

S-LAB price list for private and commercial researchers

More information regarding sample preparation, analyses and laboratory protocols are provided on the website:

www.soest.hawaii.edu/S-LAB

	Instrument	Prices
Water Samples		
Dissolved inorganic nutrients ^a	Seal AA3 Auto Analyzer	\$38/ sample
Dissolved organic nutrients (TN+TP) ^b	Seal AA3 Auto Analyzer	\$30/sample
Total dissolved phosphorus (TDP) via HTA ^c	Muffle furnance, shaker, centrifuge and AA3	\$17/sample
High-temp DOC/TDN	Shimadzu TOC-V	\$30/sample
Dissolved inorganic carbon ^d	VINDTA and Coulometer	\$94/sample
Titrations ^{e,d}	Metrohm Titrando	\$30/sample
Conductivity ^d	Metrohm Titrando	\$11/sample
Alkalinity ^d	Metrohm Titrando	\$48/sample
Particulate Analysis (sediments or filters)		
Carbon & Nitrogen (CN) ^f	Exeter Elemental analyzer	\$14/sample
Carbon & Nitrogen & Sulfur (CN+S) ^{f,g}	Exeter Elemental analyzer	\$25/sample
Total P via Aspila	Muffle furnance, shaker, centrifuge and AA3	\$22/sample
Inorganic P via Aspila	Muffle furnance, shaker, centrifuge and AA3	\$22/sample
Inorganic carbon ^d	UIC Acidification module and Coulometer	\$39/sample
Chl a ^d	Turner Designs Fluorometer	\$15/sample
Turbidity	Hach turbidity meter	\$9/sample
Additional Facility Charges		
Filter and sediment prep for CNS analysis:	<i>per sample charge</i>	\$11/sample
Acidification treatment for CNS analysis:	<i>per sample charge</i>	\$8/sample
pH adjustment of water samples for AA3:	<i>per sample charge</i>	\$15/sample
Dilution of water samples for AA3:	<i>per sample charge</i>	\$15/sample

Notes:

^a Includes (NO₃⁻ + NO₂⁻, PO₄³⁻, NH₄⁺, H₄SiO₄)

^b via UV oxidation in line with autoanalyzer

^c TDP determined by the high temperature ashing method of Solorzano and Sharp (1980), modified by Monaghan and Ruttenberg (1999), which provides more complete recovery of all types of DOP compounds than more widely used methods; samples to be run on autoanalyzer after oxidation.

^d Analyses can be conducted by facility users for an hourly rate (see user-based charges)

^e Titrations include dissolved oxygen, calcium, magnesium, chloride, fluoride

^f Samples must be wrapped and ready for analysis

^g Sulfur cannot be measured on filters