

Environmental Research Laboratory
Department of Biology
East Carolina University

Analysis Cost Sheet Summer 2024 - Summer 2025

TEST/PROCEDURE	Consumables Cost per Sample/cost with no labor	Final Cost with ERL provided Student Labor*	Final Cost with ERL provided Manager Labor*
Ammonia - Solorzano Method (Total Ammonia Nitrogen) - Automated	\$2.75	\$3.83	\$4.77
Ammonia - Solorzano Method (Total Ammonia Nitrogen) - soil samples - Automated	\$3.10	\$4.09	\$4.92
Carbon, dissolved organic (autoanalyzer)			\$11.48
Chloride - Ferricyanide Method - Automated	\$3.52	\$4.55	\$5.44
Chlorophyll & Phaeophytin Pigment Analyses -fluorometer	\$1.25	\$3.04	\$4.84
Filtering Groundwater or Porewater**	\$2.99	\$4.78	\$6.23
Filtering Riverine and Estuarine Waters	\$1.05	\$1.95	\$2.76
Fluoride Analysis	\$2.16	\$3.19	\$3.94
Nitrate + Nitrite Analysis (water samples) - Automated Method	\$4.98	\$5.70	\$6.23
Nitrate + Nitrite Analysis (soil samples) - Automated Method	\$5.72	\$9.40	\$13.30
Nitrogen, Total Dissolved (autoanalyzer)			\$11.48
Nitrogen, Total, Dissolved & Particulate - Kjeldahl Method	\$4.07	\$7.93	\$12.04
Phosphate, Ortho (Free Reactive Phosphate or Soluble Reactive Phosphate) - water samples - Automated Method	\$2.42	\$3.05	\$3.48
Phosphate, Ortho (Free Reactive Phosphate or Soluble Reactive Phosphate) - soil samples - Automated Method	\$2.99	\$3.62	\$4.05
Phosphate, Total & Dissolved - Persulfate Method	\$2.92	\$4.08	\$5.13
Phosphate, Total, Dissolved & Particulate - Kjeldahl Method	\$3.19	\$7.05	\$11.16
Porewater Extraction from soils for N analysis***	\$0.95	\$4.36	\$8.05
Porewater Extraction from soils for P analysis***	\$2.68	\$6.27	\$9.82
Total Suspended Solids	\$1.05	\$1.27	\$1.32

* Assumes a minimum of 20 samples; if < 20 samples, prices will be higher.

** Assumes 1 x 934-AH filters and 1 x 0.45uM filter, If more are required to filter a sample, additional cost is required for

*** Price is based on 1g of soil sample; if >1g of soil sample, price will be higher.

Revision Date: 21 July 2024

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