

Environmental Research Laboratory
 Department of Biology
 East Carolina University

Analysis Cost Sheet Summer 2021 - Summer 2022

| TEST/PROCEDURE | Consumables Cost per | Final Cost with ERL provided | Final Cost with ERL provided Manager |
|---|-------------------------|---------------------------------|---|
| Ammonia - Solorzano Method (Total Ammonia Nitrogen) - Automated | \$3.23 | \$4.31 | \$5.15 |
| Ammonia - Solorzano Method (Total Ammonia Nitrogen) - soil samples - Automated | \$3.46 | \$4.45 | \$5.20 |
| Carbon, dissolved organic (autoanalyzer) | | | \$12.49 |
| Chloride - Ferricyanide Method - Automated | \$3.28 | \$4.31 | \$5.11 |
| Chlorophyll & Phaeophytin Pigment Analyses -fluorometer | \$1.50 | \$3.29 | \$4.88 |
| Filtering Groundwater or Porewater** | \$2.50 | \$4.29 | \$5.68 |
| Filtering Riverine and Estuarine Waters | \$0.95 | \$1.85 | \$2.60 |
| Fluoride Analysis | \$2.23 | \$3.26 | \$3.90 |
| Nitrate + Nitrite Analysis (water samples) - Automated Method | \$5.39 | \$6.11 | \$6.58 |
| Nitrate + Nitrite Analysis (Soil samples) - Automated Method | \$6.44 | \$10.12 | \$13.70 |
| Nitrogen, Total Dissolved (autoanalyzer) | | | \$12.49 |
| Nitrogen, Total, Dissolved & Particulate - Kjeldahl Method | \$3.75 | \$7.60 | \$11.37 |
| Photopigment Analysis - HPLC (Chlorophyll a, Chlorophyll b, Phaeophytin a, Fucoxanthin, Zeaxanthin) | \$17.98 | \$23.81 | \$26.35 |
| Phosphate, Ortho (Free Reactive Phosphate or Soluble Reactive Phosphate) - water samples - Automated Method | \$3.18 | \$3.81 | \$4.18 |
| Phosphate, Ortho (Free Reactive Phosphate or Soluble Reactive Phosphate) - soil samples - Automated Method | \$3.92 | \$4.55 | \$4.92 |
| Phosphate, Total & Dissolved - Persulfate Method | \$3.25 | \$4.41 | \$5.36 |
| Phosphate, Total, Dissolved & Particulate - Kjeldahl Method | \$3.79 | \$7.65 | \$11.42 |
| Porewater Extraction from soils for N analysis*** | \$0.98 | \$4.39 | \$7.78 |
| Porewater Extraction from soils for P analysis*** | \$2.66 | \$6.25 | \$9.49 |
| Total Suspended Solids | \$0.89 | \$1.11 | \$1.17 |

* 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: 06 July 2021

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