

Analytical Services, College of Forest Resources

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Estimated Cost Effective 1/1/01

Sample Preparation	Method ¹	Sample Type	Cost*/ Sample	
			1-99	100+
KCl Extraction for NO ₃ -N & NH ₄ -N	Method 33-3 ²	S	\$10.25	\$8.50
Bray Extraction for PO ₄ -P	Method 24-5 ²	S	\$10.25	\$8.50
Exchangeable Base & CEC for ICP & NH ₄ -N	Method 8-3 ²	S	\$15.50	\$12.50
Digest (HNO ₃ , Li ₂ SO ₄ , Microwave)	EPA 3050 & 3051	S,P	\$12.50	\$10.50
Digest (Kjeldahl Nitrogen) ³	EPA 351.2	W	\$15.25	\$13.00
Miscellaneous Preparation (Grind, Filter, etc.)		S,W,P	\$50.00/hr.	\$40.00/hr.
Other Extractions & Digests	(See note 1)	S,W,P	\$50.00/hr.	\$40.00/hr.

Analysis	Method ¹	Sample Type	Cost*/ Sample	
			1-99	100+
Ammonia ³	EPA 350.1	W,S	\$6.25	\$4.50
Nitrate	EPA 353.2	W,S	\$6.25	\$4.50
Phosphate	EPA 365.1	W,S	\$6.25	\$4.75
Phosphorus Fractions	Std. Method 4500F	W	\$25.00	\$20.00
Phosphorus Fractions	Method 24-4 ²	S	\$30.00	\$25.00
Total Phosphorus - All Forms ³	EPA 365.4	S,P	\$8.00	\$5.00
Chloride ³ , Nitrate ³ , Orthophosphate ³ , Sulfate ³	EPA 300.0	W	\$14.00	\$12.75
Fluoride, Nitrite, Bromide	EPA 300.0	W	\$13.75	\$12.50
Total (Al, As, B, Ba, Ca, Cd, Cr, Cu, Fe, K, Mg, Mn)				
Mo, Na, Ni, P, Pb, S, Se, Si, Zn)	EPA 200.7	W,S,P	\$14.00	\$12.50
Mercury	EPA 7470 & 7471	W,S	\$15.00	\$12.50
CHN (Total Carbon, Nitrogen, Hydrogen)	Method 29-2.2 ²	S,P	\$15.50	\$12.50
CHN (Total Carbon, Nitrogen, Hydrogen)(run by yourself)	Method 29-2.2 ²	S,P	\$6.00	\$5.75
Total Carbon (Organic & Inorganic)	Method 29-3.2 ²	S	\$25.00	\$20.00
pH	EPA 150.1	W	\$3.50	\$2.75
pH	Method 12-2 ²	S	\$5.00	\$3.75
Total Hardness	EPA 200.7	W	\$13.75	\$12.00
pH & Alkalinity	EPA 150.1 & 310.	W	\$5.50	\$4.00
Specific Conductance	EPA 120.1	W	\$3.25	\$2.75
Total Suspended Solids	Std. Method 2541c	W	\$13.75	\$12.00
MPN Fecal Coliform ³	Std. Method 9221 ⁴	W	\$35.00	\$25.00
MF Fecal Coliform ³	Std. Method 9222 ⁴	W	\$35.00	\$25.00
BOD-5 ³	Std. Method 5210E	W	\$27.50	\$22.50
COD	Std. Method 5220I	W	\$20.00	\$17.50
Bulk Densil	Method 13-5 ⁵	S	\$12.00	\$10.00
Water Content	Method 21-5 ⁵	S	\$13.75	\$12.00
Particle Size	Method 15-5 ⁵	S	\$25.00	\$20.00
Others	(See note 1)	W,S,P	\$50.00/hr.	\$40.00/hr.

S = Soil W = Water/Aqueous P = Plant

1 Others methods may also be available or requested.

2 Methods of Soil Analysis, Part 2 - Chemical and Microbiological Properties, ASA,SSSA, 2nd Edition, 1982.

3 For these tests we are certified by Washington State Department of Ecology.

4 Standard Methods for the Examination of water and wastewater, APHA-AWWA-WPCF, 17th Ed., 1989.

5 Methods of Soil Analysis, Part 1 - Physical and Mineralogical Methods, ASA,SSSA, 2nd Edition, 1982.

* Please add 14.7% overhead for UW and 8.2% sales tax if applicable.(outside of campus)