

Environmental Assessments and Investigative Analyses



ETC

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Applications:

These testing services are used in compliance with State and Federal regulatory agencies for environmental impact assessment. This includes working sites, abandoned sites and future sites that may be deemed environmentally sensitive.

Reference Methods:

Test Methods for evaluating Solid Waste, SW846, 1996.
USEPA Code of Federal Regulations, Chapter 21, part 58.
State of Louisiana, Department of Natural Resources, Office of Conservation, Statewide Order 29B.
Risk Evaluation/Corrective Action Program, State of Louisiana, Department of Environmental Quality, December 1998.

General Information

Submitting Samples

Follow correct sampling procedures. Provide complete instructions for analysis to be performed along with a written list of sample identification numbers and expected levels or label claims if applicable. Our analysis is only representative of the sample submitted. Additional information on correct sampling, handling, and shipping procedures is listed on our sample information sheets and brochures which are provided by the laboratory at no charge.

Sample Size

The amount of sample required to perform a specific test can vary considerably depending on the kind and number of analyses required. In many cases, a minimum of 100 grams (4 ounces) is required for each analysis. If you have any questions concerning sample size, container, or preservation requirements, please contact the laboratory before sending samples.

Turnaround Time

Results of routine analyses vary. Routine soil and plant tissue analyses are available on NEXT DAY TURN™. Please contact the laboratory if you have a question about which tests are considered routine. “Rush” results are sometimes available when arrangements have been made and will be assessed an additional “Rush” fee. However, in fairness to clients whose work may be delayed by such “Rush” arrangements, we may at times be unable to comply with “Rush” requests.

Sample Holding and Disposal

Samples are held for varying lengths of time, depending on their stability and the amount of storage space required. All samples will be held for three weeks after analysis. If longer-term storage is necessary, a storage fee will be charged based on the type of sample being held. Please contact the laboratory if samples need to be saved.

Hazardous Samples

Samples which require special means of disposal (e.g. Hazardous Waste, Pesticide Formulations, etc.) will be returned to the client after analysis at the client’s expense.

Record Storage

Analytical reports are filed at the laboratory by report number along with the information sheets submitted with samples and are held for 7 years. Please use the report number and date of report when you have questions concerning a report.

Invoicing and Statements

All work reported during the week is invoiced the following week. Terms are net 30 days. Accounts due past 30 days will receive a statement the following month with added service charges shown.

Discounts

In some cases, discounts are available for volume work. Consult the laboratory for discount terms. No discounts will be allowed on overdue accounts.

Special Reporting Procedures

FAX Reporting: \$1.00 per page
Overnight: Cost of carrier
Additional Copies: \$.25 ea page

E-mail Reporting: Reports or copies can be received via e-mail.
Electronic: On available formats. Call lab for details.

Training Assistance

A&L staff professionals can provide Agronomic Training Seminars and Educational Meetings for the agricultural industry. HACCP and other Environmental Training Seminars are also available. Call the lab for details.

Geotechnical Soil Characterization

Soil Chemical Characteristics	Price
Carbon-Nitrogen Ratio (TN & TOC)	\$ 90.00
Carbon-Nitrogen Ratio (TN & TC)	\$ 90.00
Fractional Organic Carbon	\$ 65.00
Organic Matter by Combustion	\$ 20.00
Organic Matter by Walkley-Black (titrimetric)	\$ 65.00
Total Carbon	\$ 65.00
Total Organic Carbon	\$ 65.00
Total Nitrogen	\$ 27.00
Total Phosphorus	\$ 35.00
Phosphorus Adsorption	\$105.00
Soil Physical Characteristics	
Bulk Density (Disturbed Soil)	\$ 16.00
Moisture Holding Capacity 1/3 Bar or 15 Bar	\$ 25.00
Additional Pressure Limits (price per plate)	\$ 25.00
Particle Density	\$120.00
Total Soil Porosity (Includes)	\$140.00
Non-Capillary Porosity	
Capillary Porosity	
Particle Size Analysis: Hydrometer Method	\$ 16.00
Particle Size Analysis: Pipet Method	\$ 70.00
Particle Size Distribution	\$160.00
Sieve Analysis (Please specify sieve sizes) Per screen	\$ 17.00
Sieve Analysis (100, 200, or 325 mesh) Per screen	\$ 22.00
Cation Exchange Capacity/Base Saturation	
CEC -Ammonium Replacement	\$ 60.00
CEC -Barium Replacement	\$ 60.00
CEC -Sodium Replacement	\$ 50.00
Base Saturation % (requires CEC)	\$ 70.00
Exchangeable Sodium %-ESP (requires CEC)	\$ 60.00
Sodium Absorption Ratio-SAR	\$ 75.00

Geotechnical Soil Characterization

Soil Salinity Analyses

Prices

Saturated Paste Package (Includes all analysis below)	\$125.00
Bicarbonates	\$ 12.00
Carbonates	\$ 20.00
Chloride	\$ 20.00
EC Saturated Paste	\$ 20.00
pH Saturated Paste	\$ 25.00
SAR (Ca, Mg and Na)	\$ 40.00
Saturation Percentage	\$ 15.00

Acid-Base Accounting

Neutralization Potential	\$ 35.00
Potential Acidity (Maximum)	\$ 45.00
Pyritic Sulfur	\$ 55.00
Sulfate Sulfur	\$ 45.00
Total Sulfur	\$ 30.00

Lime Requirement

Adams-Evans Buffer	\$ 10.00
SMP Buffer	\$ 10.00
Woodruff Buffer	\$ 10.00
Barium Chloride-TEA	\$ 25.00

Soil pH/Electrical Conductivity

Electrical Conductivity (1:2)	\$15.00
pH(1:1)	\$ 10.00
pH(1:2)	\$ 10.00
pH Saturated Paste	\$ 20.00

Metals Scan

Metals Analyses	Methods	Price/Sample
Aluminum (Al)	SW-3050/6010	\$14.00
Antimony (Sb)	SW-3050/6010	\$14.00
Arsenic (As)	SW-3050/6010	\$14.00
Barium (Ba)	SW-3050/6010	\$14.00
Beryllium (Be)	SW-3050/6010	\$14.00
Bismuth (Bi)	SW-3050/6010	\$14.00
Boron (B)	SW-3050/6010	\$14.00
Cadmium (Cd)	SW-3050/6010	\$14.00
Calcium (Ca)	SW-3050/6010	\$14.00
Cerium (Ce)	SW-3050/6010	\$14.00
Chromium (Cr)	SW-3050/6010	\$14.00
Cobalt (Co)	SW-3050/6010	\$14.00
Copper (Cu)	SW-3050/6010	\$14.00
Iron (Fe)	SW-3050/6010	\$14.00
Lead (Pb)	SW-3050/6010	\$14.00
Lithium (Li)	SW-3050/6010	\$14.00
Magnesium (Mg)	SW-3050/6010	\$14.00
Manganese (Mn)	SW-3050/6010	\$14.00
Mercury (Hg)	SW-7471	\$45.00
Molybdenum (Mo)	SW-3050/7000	\$14.00
Nickel (Ni)	SW-3050/6010	\$14.00
Phosphorous (P)	SW-3050/6010	\$14.00
Potassium (K)	SW-3050/6010	\$14.00
Selenium (Se)	SW-3050/6010	\$14.00
Silica (Si)	SW-3050/6010	\$30.00
Silver (Ag)	SW-3050/6010	\$14.00
Sodium (Na)	SW-3050/6010	\$14.00
Strontium (Sr)	SW-3050/6010	\$14.00
Sulfur (S)	SW-3050/6010	\$14.00
Thallium (Tl)	SW-3050/6010	\$14.00
Tin (Sn)	SW-3050/6010	\$14.00
Titanium (Ti)	SW-3050/6010	\$14.00
Tungsten (W)	SW-3050/6010	\$20.00
Vanadium (V)	SW-3050/6010	\$14.00
Zinc (Zn)	SW-3050/6010	\$14.00