To: Whom it may concern

RE: PROPOSED BIOCHAR ANALYTICAL SUITES

Please see below some current and proposed analytical biochar suites to cover the requirements of the new ANZBI Biochar Code of Practice 2020.

SS-PACK-111 Biochar Totals Analysis
Includes Moisture Content, Ash Content; pH, EC (1:10 water); Total Nitrogen (TN), Total Carbon (TC), Total Organic Carbon (TOC), TC/TN Ratio, Organic Matter; Total Sodium, Potassium, Calcium, Magnesium, Phosphorus, Sulfur, Silicon, Cobalt, Molybdenum, Zinc, Manganese, Iron, Copper, Boron; Heavy Metals Silver, Arsenic, Lead, Chromium, Nickel, Cadmium, Mercury; Acid Neutralising Capacity (ANC). Note: 200 g of sample is required to complete testing.
Price $200.00+GST

SS-PACK-149 Biochar Ultimate Analysis
Includes molar ratio of hydrogen to organic carbon.
Price $200.00+GST

SS-PACK-150 Biochar Density and Ashing
Includes moisture with % ash and volatiles.
Price $70.00+GST

SS-PACK-151 Biochar PCB’s (<0.2 ppm) and PAH’s (<0.4 ppm)
Price $110.00+GST

SS-PACK-152 Biochar Full VOC and SVOC Scan
Includes PAH’s as part of scan.
Price $260.00+GST

SS-PACK-153 Biochar Heavy Metals
Includes Pb, Cd, Hg, As, Cu, Ni, Zn and Cr.
Price $60.00+GST

SS-PACK-154 Biochar Dioxin / Furans (<17 ng/kg)
Price $950.00+GST
SS-PACK-155 Biochar Particle Size Analysis - Dry Sieving
Dry sieving for fractions > 2 mm, 1-2 mm, 500 µm-1 mm, 250-500 µm, 125-250 µm, 63-125 µm, < 63 µm.
Price $50.00+GST

SS-PACK-156 Biochar Surface Area (Total and External)
Price $200.00+GST

SS-PACK-157 Biochar Germination and Worm Avoidance Test
Price $80.00+GST

SS-SING-027 Silica -Total
Includes specialised NaOH high temperature fusion extraction of silicon.
Price $120.00+GST

SS-PACK-032 Specific - TCLP Extractable (ICPMS)
Price $90.00+GST

SS-SING-162 Chromium VI - Hexavalent
Speciation by a screening colourimetric technique which may be subject to matrix interference. Refer to separate analysis codes for speciation using HPLC-ICPMS analysis.
Price $36.00+GST

SS-PACK-019 Nutrients - KCl Extractable
Includes Nitrate, Ammonium, Phosphate.
Price $50.00+GST

SS-PACK-135 CEC-compulsive (true) - Cation-Exchange Capacity of soils (Sodium Acetate)
Includes CEC using USEPA SW-846 test method 9081 after pre-treatment for soluble salts.
Price $100.00+GST

SS-PACK-136 Exchangeable Cations – 15E1 - CEC & AEC (no pre-treatment)
Includes exchangeable Sodium, Potassium, Calcium, Magnesium, compulsive Cation Exchange Capacity (CEC) and Anion Exchange Capacity (AEC) with no pre-treatment for soluble salts.
Price $150.00+GST
SS-PACK-137 **Exchangeable Cations – 15E2· CEC & AEC (with pre-treatment)**
Includes exchangeable Sodium, Potassium, Calcium, Magnesium, compulsive Cation Exchange Capacity (CEC) and Anion Exchange Capacity (AEC) with pre-treatment for soluble salts.
Price $160.00+GST

SS-SING-216 **PFAS in solids – standard level 28 suite with detection 0.5 µg/kg**
Includes the analysis of per- and poly-fluoroalkyl substances (PFAS) in solids.
Price $170.00+GST

SS-PACK-143 **Soil Testing for Biochar Application**
Includes Moisture, pH, EC (1:5 water); Total Organic Carbon (TOC), Total Nitrogen (TN), TC/TN Ratio; Available Nitrogen (Nitrate); Soluble Chloride; Total Metals (Sb, As, Be, B, Cd, Co, Cu, Cr, Pb, Mn, Mo, Ni, Se, Sn, V, Zn, S, P, Hg); Soluble Cations (Ca, Mg, K, Na). Note: 300 g of sample is required to complete testing.
Price $205.00+GST

Please contact the laboratory if you have any queries or feedback.

Yours faithfully,

Graham Lancaster,
Laboratory Manager