

**BROOKSIDE LABORATORIES, INC.**

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## BIOSOLID (SLUDGE) ANALYSIS

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**Brookside Laboratories, Inc.** is experienced in performing a wide range of tests on biosolid samples. Our comprehensive reporting format includes practical data such as quantity of analyte in ton/ac, and annual application rate based on pollutant limits. Selected test parameters relevant to the analysis of biosolid and sludge-applied soil samples are listed below:

PARAMETER	METHOD
<b>Sludge Characteristics</b>	*
Tests included: Total Solids, Total N, Ammonia-N, Nitrate-N, pH, Specific Gravity, Total P, Total K	
<b>Pollutants</b> (All 10 Pollutants listed below)	EPA 6000 & 7000 Series
Arsenic	EPA 7061
Cadmium, Chromium, Copper, Lead, Molybdenum, Nickel, Zinc	EPA 6010
Mercury	EPA 7471
Selenium	EPA 7741
<b>Other Tests</b>	
<b>Fecal Coliform</b>	SM 9221E
<b>Organics</b>	EPA 8000 Series
Tests included: benzo (a) pyrene, Dimethylnitrosamine, hexachlorobutadiene, Trichlorethylene, and hexachlorobenzene	
<b>PCB's</b>	EPA 8080
<b>Pesticides</b>	EPA 8080
Tests included: Aldrin, Dieldrin, DDT, DDE, DDD, Toxaphene, Chlordane, Heptachlor, Lindane	
<b>Soil Nutrients</b>	**
Tests included: pH, Organic Matter, SO <sub>4</sub> , CEC, Extractable Al, B, Ca, Cu, Fe, K, Mg, Mn, Na, P, Zn	
<b>Total Solids (TS)</b>	SM 2540 G
<b>Total Volatile Solids (TVS)</b>	SM 2540 G

\* EPA or AOAC approved methods are used to perform these tests.

\*\* Methods published by the Soil Science Society of America are used.

**RELEVANT INSTRUMENTATION**

Ion Selective Electrodes	Atomic Absorption Spectrophotometer (AA)
Inductively Coupled Plasma Spectrometer (ICP)	Gas Chromatograph (GC)
Gas Chromatograph/Mass Spectrometer (GC/MS)	Technicon Auto Analyzer

**TURNAROUND TIME**

Normal turnaround time is ten working days with rush service available at an additional charge.