



## Environmental Analytical Laboratories Waste Materials Testing

SRC Environmental Analytical Laboratories tests a wide range of waste materials to determine if materials will need to be classified as hazardous waste for the Transport of Dangerous Goods (TDG) or for disposal. Various analytical packages and individual parameters are available to address the objectives for these uses.

TDG testing is required to characterize and determine the classification of material for transport and disposal purposes. What is hazardous waste? The answer depends on considerations such as composition, properties and origin of waste.

Would waste be classified and regulated as dangerous goods according to the TDG regulations if transported? The generator of waste is mainly responsible for knowing the answer to these questions. However, the services of a well-equipped analytical laboratory are often needed to get some of this information.

Analysis of waste materials often includes:

**Flashpoint:** Flashpoint means the lowest temperature at which the application of an ignition source causes vapours of a liquid to ignite.

**Corrosivity:** Wastes that have a pH of 2 or less or 12.5 or more are considered corrosive.

**Organic Halides:** Organic halides are organic compounds containing a halogen atom (Fluorine, Chlorine, Bromine, Iodine) bound to a carbon atom. One example of an organic halide compound is PCBs. Neutron Activation Analysis can be used as a screening method to determine the presence or absence of these compounds.

**Heavy Metals:** The term heavy metal refers to any metallic element that has a relatively high density and is toxic at low concentrations. Heavy metals in wastes can come from a variety of sources and if present can leach into ground water after disposal.

**Radionuclides:** Naturally occurring radioactive material (NORM) is found almost everywhere in low concentrations and can be concentrated in waste products. Testing can be carried out using gamma spectroscopy to measure the isotopes that are regulated under the NORM guidelines.

**Contact our lab for sample requirements and pricing.**



**CALA**  
Testing  
Accreditation No. A 2472

### CONTACT

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