

# METHOD STATEMENT

**Determinand:**

Loss on Ignition at 440°C, taking into account the mass of removed Group 1 and Group 2 material.

**Matrix:**

Soil, contaminated land, made ground and other related materials.

**Principle of Method:**

The soil sample is placed in a furnace at  $180 \pm 10^\circ\text{C}$  until constant weight is achieved and then at  $440 \pm 10^\circ\text{C}$  until in ashen state. The Loss on ignition between  $180^\circ\text{C}$  to  $440^\circ\text{C}$  is calculated as a percentage of the dried material taking into account the mass of removed Group 1 and Group 2 material.

**Sampling and Sample preparation:**

The test is carried out on a sample of air-dried land, ground to pass through a 2mm sieve. Samples are stable for 7 days (ISO 5667-15) from sampling.

**Interferences:**

The total loss on ignition value will include any interference from free sulphur present in the sample and also the loss on ignition due to the generation of carbon dioxide from limestone.

**Performance of Method:**

Performance characteristics have not been fully determined for this method.

Linear concentration range from 0% to 100% loss on ignition.

**References:**

Notice LFT1 A general guide to landfill tax

ISO 5667-15