

BASIC WASTE TESTING SUITE FOR EXCAVATED MATERIALS

- Arsenic • Mercury • Copper • Cadmium • Nickel • Lead • Zinc
- Selenium • Chromium • Total Cyanide (TCN) + complex/Free Cyanide if TCN>100 mg/kg
- Sulphate - Total Sulphate Water Soluble 2:1 Extract (if no WAC Testing)
- Sulphide • Chloride • Asbestos Screen • Moisture Content • pH

ORGANICS

- Phenols - Total (Monohydric)
- TOC (Total Organic Carbon)

TPH TESTING

The laboratory needs to provide the following data on the TPH testing:

- Petroleum Range Organics (PRO/GRO) C6-C10
- Diesel Range Organics (DRO) C10-C25
- Lube Oil/Other Organics C25-C40

Note: please apply Cleanup to hydrocarbon extracts.

SPECIATED PAH (WAC 17)

The laboratory needs to provide a report sum of the following 8 PAH'S (or we will add it manually)

An analysis for Coronene needs to be included in the report.

1. benz[a]anthracene
2. benzo[b]fluoranthene
3. benzo[j]fluoranthene
4. benzo[k]fluoranthene
5. benzo[a]pyrene
6. chrysene
7. dibenz[a,h]anthracene
8. indeno[1,2,3-cd]pyrene

Please ensure any WAC testing is carried out in accordance with BS EN 12457

ADDITIONAL TESTING SUITE (IF REQUIRED)

1. PCB's (total of 7 congeners)
2. SVOC's (note: some of the WAC tests already specified above)
3. WAC leach testing to assess solubility of wastes (note some of the WAC tests are already specified above)
4. VOC's (samples need to be collected in vials and sorted in a cool box)
5. Lubricating/Other Oils (USEPA METHOD 9071b as modified in EA HWR08)

Note: Additional species may need to be tested for depending on the findings of the previous uses of the site where the wastes arise.