# Sample Submission Guide - Normec i2 Analytical

**1. Container shipping –** Coolboxes or ESKs – sent to office or site by i2.


**2.** Open the container and make sure you have enough bottles/jars to collect all samples.


**SOIL CONTAINERS**

**ASBESTOS CONTAINER**

**PFAS WATER CONTAINER**

**WATER CONTAINERS**

**3. Sample Labelling –** Ensure sufficient information is included on the labels/containers to allow for identification.

**4. Filling Sample containers –** The number of containers/volume requirements will be indicated on your quotation or by the customer service team. The 40ml water vial, 30g VOC soil jar, and 300ml bottles for BOD require samples to be filled with zero 'headspace' (no air gap). All other containers to be filled as full as possible.

**Standard water bottle suites are:**

- Waters – 2 x 300ml glass bottle, 2 x 40ml glass VOC vials*
- Inclusion of BOD – additional 300ml bottle
- Accredited TPH analysis – additional 300ml bottle
- PFAS - additional 50ml polypropylene (PP) container

**Standard soil container suites are:**

- Soils – 250g jar, 2 x 30g VOC soil jars*
- WAC (BS EN 12457) – 2 kg plus 250g jar & 2 x 30g VOC jars*
- BS EN 12457 Leachate (all stages) - 2 kg
- BS 3882:2015 Topsoil Suite - 2kg minimum
- BS 8601:2013 Subsoil Suite - 2kg minimum
- NRA Leachate - 500g tub

**Asbestos testing requires a separate container (180ml tub)**

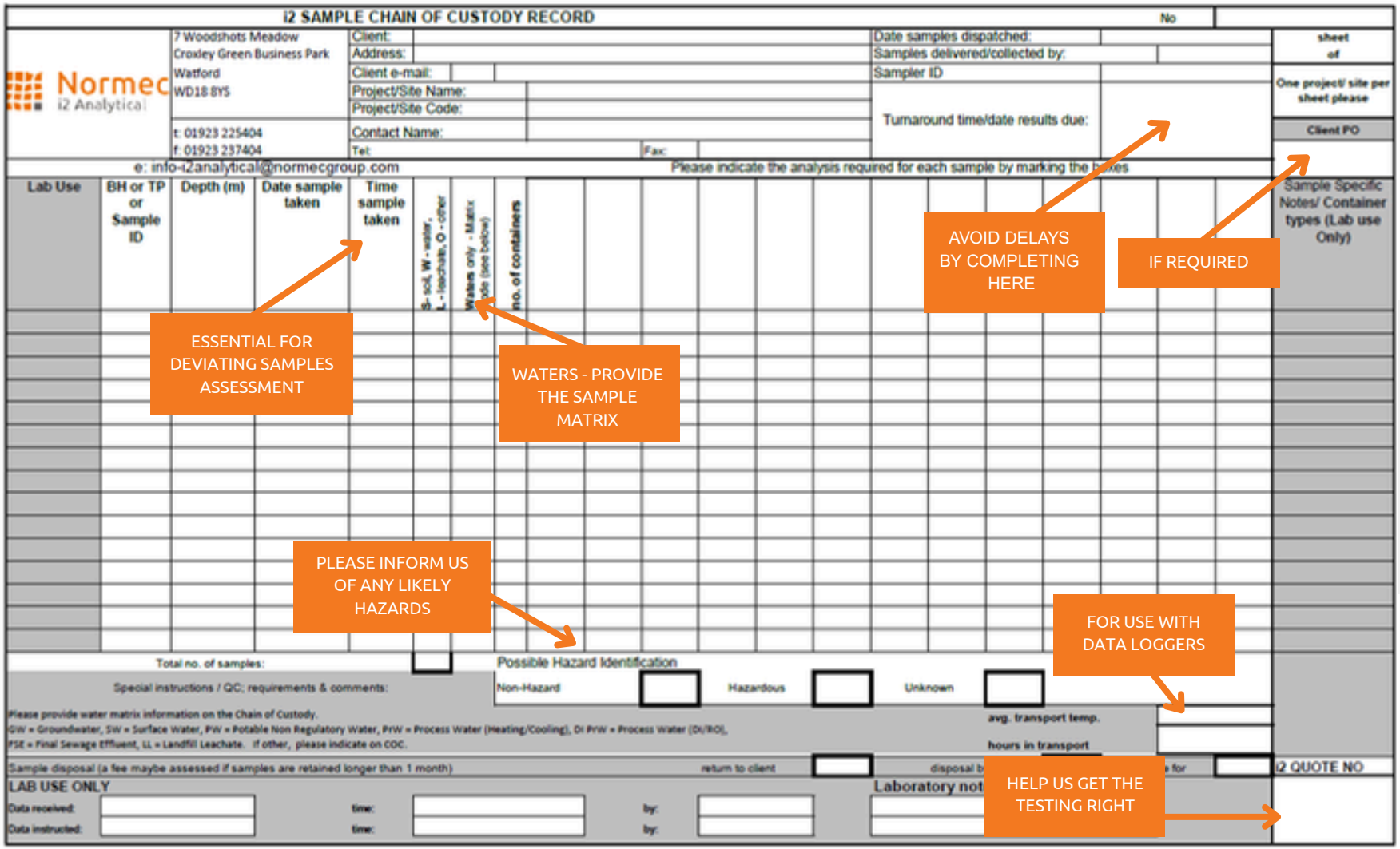
**NOTES:**

- The 30g VOC soil jars are for **volatile testing** (VOCs, >EC5-EC10 TPH bands, Solvents, VFAs, etc.) so can be excluded if not required.
- The 40ml water vial and 30g VOC soil jar have PTFE seals within the lid to allow for a gas-tight seal without contaminating the sample.
- *Two VOC containers are advised to allow for repeat/dilution of these volatile parameters from the second container to avoid deviation.
- For solid material testing please submit an additional container if sample contains a large number of stones, or is a sludge, or is of low density.
- For WAC analysis (BS EN 12457) and a suite of general testing - 2 x 1L tubs, 1 x 250g jar, and 2 x 30g VOC jars are sufficient for analysis.

**These represent a "standard" suite of testing, please get clarification from your quotation or account manager if unsure on a specific project.**

**5.** Please try and ensure the label information on the container is not obscured and is legible and place into the coolbox/ESK with any available frozen icepacks (these can be provided).

**6.** Please ensure appropriate information is included with the samples to allow for identification. If providing scheduling instructions with the samples please make sure the CoC form is fully completed, including water sample matrices if known.




If you have any questions please contact your account manager or a member of the customer service team on +44(0)1923 225 404

# Breakdown of soil containers

**250g Jar –** For all inorganic, metals, and extractable organic analysis.
Please submit an extra/additional jar if sample contains: large number of stones, or is a sludge, or is of low density.
Note, 250g jar does NOT have a PTFE seal so is unsuitable for volatile testing.


**30g VOC Jar –** For volatile testing e.g. BTEX/VOCs/EC5-EC10 TPH bands.
We advise two VOC jars for the provision of repeat/dilution of these volatile parameters from the second jar to avoid deviation. These jars have a PTFE seal specifically for volatile testing.

**500g Tub –** NRA Leachate analysis.
Can also be requested for inorganic and metals testing should samples contain a large number of stones, or be of low density, or comprise of a non-soil material such as aggregate. Not suitable for extractable organic analysis.

**180ml Asbestos tub –** After laboratory drying we require at least 100g of dried sample to carry out accredited asbestos analysis. This container filled full allows us to align with best practice for the safe preparation for analysis.



**1 Litre tub –** We require 2 x 1 Litre tubs (2kg of sample) for all accredited BS EN 12457 leachate testing (including WAC) to ensure the results obtained are sufficiently representative of the material to be tested.
Failure to provide 2 x 1 Litre tubs will result in all associated tests reported as deviating.
Please include 250g jar and 2 x 30g VOC jars where testing on the solid is also required (e.g. WAC suites).

**Note -** If scheduling a soil sample for WAC analysis (BS EN 12457) and a suite of general testing - 2 x 1L tubs,1 x 250g jar, and 2 x 30g VOC jars are sufficient for analysis.