

Recommended Preservation and Container Guide

| Parameter | Container | Lab Analysis Portion (g) ⁽¹⁾ | Eurofins mgt Preferred Preservation | Recommended Holding Times |
|---|-------------|---|--|---|
| Acid Sulphate Soil (SPOCAS/CrS) | P or G | 50 | 6°C / freezing may limit loss of integrity | 24 hours [#] |
| Alcohols | G | 20 | 6°C, Zero Headspace | 14 days* |
| Asbestos | P | 50 | None, separate sample required | indefinite |
| BTEX / TPH (>C6-C10) | G | 20 | 6°C, Zero Headspace | 14 days* |
| Cation Exchange Capacity, Exchangeable Cations | P | 50 | 6°C | 28 days ^{NEPM 2013} |
| Carbamates | G | 20 | 6°C | 14 days* |
| Chloride(Water Sol.), Bromide(Water Sol) | G or P | 10 | 6°C | 28 days ^{NEPM 2013} |
| Fluoride, Sulphate | G or P | 10 | 6°C | 28 days ^{NEPM 2013} |
| Cyanides | G | 20 | 6°C | 14 days ^{NEPM 2013} |
| Dioxins and Furans | G | 250 | 6°C, dark | 28 days |
| Explosives | G | 50 | 6°C | 14 days* |
| Formaldehyde | G | 50 | 6°C | 14 days |
| HRAF (aliphatic / aromatic speciation of TPH) | G | 20 | 6°C, Zero Headspace | 14 days* |
| Inorganics - general anion, cations and CEC | G or P | 20 | 6°C | 28 days |
| Iodide | G or P | 20 | 6°C | 28 days |
| Metals (except Hg & Cr VI) | G or P | 20 | NR | 6 months ^{NEPM 2013} |
| Mercury or Chromium VI | G or P | 20 | 6°C | 28 days ^{NEPM 2013} |
| Micro (E. Coli, FC, TC etc.) | P (sterile) | 125 | 6°C | 48 hours |
| Moisture | G or P | 20 | 6°C | 14 days ^{NEPM 2013} |
| Organic Carbon | G | 10 | 6°C | 28 days ^{NEPM 2013} |
| pH | G or P | 20 | 6°C | 24hours recommended ^{NEPM 2013} 7 days allowed ^{NEPM 2013} |
| EC | G or P | 20 | 6°C | 7 days ^{NEPM 2013} |
| Phenols (Totals or Speciated) | G | 20 | 6°C | 14 days* |
| Phenoxy Acid Herbicides | G | 20 | 6°C | 14 days* |
| Sulphur(total) / Sulphide | G or P | 20 | 6°C | 7 days ^{NEPM 2013} |
| Semi-volatile Organics except PCBs, Dioxins & furans | G | 50 | 6°C | 14 days ^{NEPM 2013} |
| PCBs, Dioxins & Furans | G | 50 | 6°C | 28 days ^{NEPM 2013} |
| TCLP or AS4439.2/3 ^{##} | G | 250 | 6°C | 7 days ^{###} |
| TCLP (Zero Headspace) ^{##} | G | 250 | 6°C, Zero Headspace | 7 days |
| Total Organic Carbon (or TOM) | G | 20 | 6°C, Zero Headspace | 28 days |
| TPH (>C6-C10) plus BTEX | G | 20 | 6°C, Zero Headspace | 14 days* |
| Volatile Organics except Vinyl Chloride, Styrene or 2-chloroethyl vinyl ether | G | 20 | 6°C | 14 days ^{NEPM 2013} |
| Vinyl Chloride, Styrene or 2-chloroethyl vinyl ether | G | 20 | 6°C | 7 days ^{NEPM 2013} |
| TPH/TRH (>C10-C40) | G | 20 | 6°C | 14 days* |
| VOCs / VHCs / VACs / THMs | G | 20 | 6°C, Zero Headspace | 14 days* |
| Common Suites of analytes | | | | |
| TPH, BTEX, Metals, Moisture | G | 60 | 6°C, Zero Headspace | See above |
| TPH, BTEX, Metals, PAH, SVOCs, VOCs, pH, Moisture | G | 80 | 6°C, Zero Headspace | See above |
| TPH, BTEX, Metals, PAH, OCPs, PCBs, TCLP, Moisture | G | 250 | 6°C, Zero Headspace | See above |
| Tripp Spikes for VOCs (prepared in the Lab) | G | full jar | <-10°C, Zero Headspace | 14 days ^{**} |
| Typical sample weights contained in standard jars (zero headspace) | | | 250 mL jar = 350-420 g | |
| Dust Gauges - contact Lab | | | | |

REFERENCES: USEPA SW846, NEPM, EPA VIC, ISO5667, Queensland Acid Sulfate Soils Management Advisory Committee (QASSMAC), Environmental Analysis Laboratory (EAL)
 Please note Maximum THT's may vary upon the guideline document referenced.

- NOTES:**
- (1) We recommend that you provide additional sample on the 1st, 11th, 21st, 31st etc sample for performance of Duplicates / Matrix Spikes. Note however that Matrix Spike determinations are not appropriate for all tests.
 - * Extract within 14 days and analyse within 40 days (Eurofins | mgt's preference is to extract within 7 days for volatiles where sufficient time available).
 - ** Eurofins | mgt's preference is to analyse as soon as possible
 - *** Shelf life in matrix (sand) is low if not frozen, therefore freeze if storing or return to lab with samples immediately where acidity (hence liming rates) is captured in actual and potential acidity, analysis within one week should be satisfactory
 - # Time from sampling date to tumbling (water THTs for leachate apply)
 - ## except Metals/OCPs/PCBs 28 days
 - ###
- CONTAINERS:**
- P = Plastic (HDPE or equivalent, teflon lined lid), batch tested
 - G = Glass (teflon lined lid), batch tested

Soil Samples are discarded 3 months from the date received

Eurofins | mgt - Contact Details

| LOCATION | DELIVERY ADDRESS | TELEPHONE | FACSIMILE | MOBILE NUMBERS |
|------------------|---|----------------|----------------|----------------|
| Sydney | Units F3, Lane Cove Business Park, 16 Mars Rd. Lane Cove NSW 2066 | (02) 9900 8400 | (02) 9420 2977 | - |
| Melbourne | 2-5 Kingston Town Close, Oakleigh VIC 3166 | (03) 8564 5000 | (03) 8564 5090 | - |
| Brisbane | Unit 1/21 Smallwood Place, Murarrie QLD 4172 | (07) 3902 4600 | (07) 3902 4646 | - |
| Adelaide | 140 Richmond Road, Marlestone SA 5033 | (08) 8154 3100 | - | 0409 801 765 |
| Perth | Unit 2, 91 Leach Hwy, Kewdale WA 6105 | (08) 9251 9600 | - | 0418 856 576 |
| Darwin | Unit 3, 83 Coonawarra Rd, Winellie NT 0800 | (08) 8154 3190 | - | 0428 489 614 |
| Newcastle | Unit 5, 166 Hannell Street, Wickham NSW 2293 | (02) 9900 8490 | - | 0410 220 750 |