



Environment Testing

Recommended Preservation and Container Guide

Parameter	Container	Lab Analysis Portion (g) ⁽¹⁾	Eurofins Preferred Preservation	Recommended Holding Times
Acid Sulfate Soil (pH _{FIELD} & pH _{TOX})	P	50	Freeze, exclude air	24 hours [#]
Acid Sulfate Soil (SPOCAS/CrS)	P	50	Freeze, exclude air	24 hours [#]
Alcohols	G	20	Cool to less than 6°C, Zero Headspace	14 days*
Asbestos Containing Material (AS4964)	P, Doubled Bag	2 cm x 2 cm (minimum)	None, separate sample required	indefinite
Asbestos (AS4964)	P	50	None, separate sample required	indefinite
Asbestos (NEPM or WA Guidelines)	P	500 mL	None, separate sample required	indefinite
BTEX / TPH (>C6-C10)	G	20	Cool to less than 6°C, Zero Headspace	14 days*
Bulk Density	G	500		14 days*
Cation Exchange Capacity, Exchangeable Cations	G	50	Cool to less than 6°C	28 days ^{NEPM 2013}
Chloride, Bromide, Nitrate, Sulfate aqueous extract) (1:5	G	10	Cool to less than 6°C	28 days ^{NEPM 2013}
Cyanide, Total ⁽²⁾	G	20	Cool to less than 6°C	14 days ^{NEPM 2013}
Dioxins and Furans (PCDDs/PCDFs)	G	250	Cool to less than 6°C	28 days
Explosives	G	50	Cool to less than 6°C	14 days*
Foreign Materials (RMS NSW Method T276)	P	6000	None, separate sample required	14 days
Formaldehyde	G	50	Cool to less than 6°C	14 days
Iodide	G	20	Cool to less than 6°C	28 days
Metals (except Mercury or Chromium VI)	G	20	Cool to less than 6°C	6 months ^{NEPM 2013}
Mercury or Chromium VI	G	20	Cool to less than 6°C	28 days ^{NEPM 2013}
Micro (E. Coli, FC, TC etc.)	P (sterile)	125	Cool to less than 6°C	48 hours
Moisture	G	20	Cool to less than 6°C	14 days ^{NEPM 2013}
pH	G	20	Cool to less than 6°C	24hours recommended ^{NEPM 2013} 7 days allowed ^{NEPM 2013}
EC	G	20	Cool to less than 6°C	7 days ^{NEPM 2013}
Phenols (Totals or Speciated)	G	20	Cool to less than 6°C	14 days*
Phenoxy Acid Herbicides	G	20	Cool to less than 6°C	14 days*
Semi-Volatile Organic Compounds (SVOC)	G	50	Cool to less than 6°C	14 days ^{NEPM 2013}
PCBs (Dioxin-like PCBs, Aroclor, Congener group)	G	50	Cool to less than 6°C	28 days ^{NEPM 2013}
Per- and Polyfluoroalkyl Substances (PFAS)	P	10	Cool to less than 6°C, no teflon liner	14 days, extracts within 28 days
Total Fluoride	G	20	Cool to less than 6°C	28 days
Total Organic Carbon	G	20	Cool to less than 6°C	28 days
TRH (>C6-C10) plus BTEX	G	20	Cool to less than 6°C, Zero Headspace	14 days*
Volatile Organic Compounds (VOC) except Vinyl Chloride, Styrene or 2-Chloroethyl Vinyl Ether	G	20	Cool to less than 6°C, Zero Headspace	14 days ^{NEPM 2013}
Vinyl Chloride, Styrene or 2-Chloroethyl Vinyl Ether	G	20	Cool to less than 6°C, Zero Headspace	7 days ^{NEPM 2013}
TPH/TRH (>C10-C40)	G	20	Cool to less than 6°C, Zero Headspace	14 days*
VOCs / VHCs / VACs / THMs	G	20	Cool to less than 6°C, Zero Headspace	14 days*
Trip Spikes/Blanks for C6-C10/BTEX (prepared in the Lab)	G	full jar	<-10°C, Zero Headspace	14 days***
Biota (Per- and Polyfluoroalkyl Substances (PFAS))				
Fish (fillets, whole)	P	10	Freeze	14 days, extracts within 28 days
Crustacea (whole, white flesh, hepatopancreas)	P	10	Freeze	14 days, extracts within 28 days
Shell fish (whole, edible flesh)	P	10	Freeze	14 days, extracts within 28 days
Meat [Bovine, Ovine, Porcine] (liver, kidney & tissue)	P	10	Cool to less than 6°C	14 days, extracts within 28 days
Meat [Cervine, Leporine, Caprine] (liver, kidney & tissue)	P	50	Cool to less than 6°C	14 days, extracts within 28 days
Milk [Bovine, Ovine, Caprine]	P	500 mL	Cool to less than 6°C. Do not freeze	14 days, extracts within 28 days
Cheese [Bovine, Ovine, Caprine]	P	250	Cool to less than 6°C. Do not freeze	14 days, extracts within 28 days
Eggs (Chicken - white, yolk, whole)	P	6 each	Cool to less than 6°C. Do not freeze	14 days, extracts within 28 days
Vegetables (Lettuce, Cabbage,	P	250	Cool to less than 6°C. Do not freeze	14 days, extracts within 28 days
Fruit (Avocado, Tomato, Olive, Mango)	P	250	Cool to less than 6°C. Do not freeze	14 days, extracts within 28 days
Crops (Sorghum, Wheat, Corn, Canola)	P	250	Cool to less than 6°C. Do not freeze	14 days, extracts within 28 days
Serum - BD Vacutainer®	P	2x per sample	Cool to less than 6°C. Freeze	14 days, extracts within 28 days
Air				
Summa Canister	T	1L, 6L	Room Temperature	30 days
Low Uptake Waterloo Membrane Samplers (LU-WMS™)	T	1	Room Temperature, Cool to less than 6°C	30 days, extracts within 28 days
US EPA Method 325B Passive Sampler	T	1	Room Temperature, Cool to less than 6°C	30 days
Radiello® Passive Sampler RAD130	T	1	Room Temperature, Cool to less than 6°C	30 days, extracts within 28 days
Radiello® Passive Sampler RAD145	T	1	Room Temperature, Cool to less than 6°C	30 days
Radiello® Passive Sampler RAD168	T	1	Cool to less than 6°C	14 days
Radiello® Passive Sampler RAD170	T	1	Cool to less than 6°C	14 days
Typical sample weights contained in standard jars (zero headspace)			250 mL jar = 350-420 g	
Dust Gauges - contact Lab				

REFERENCES: US EPA SW846, NEPM, EPA VIC, ISO5667, Queensland Acid Sulfate Soils Management Advisory Committee (QASSMAC), US EPA Method 821
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.
	(2)	Note however that Matrix Spike determinations are not appropriate for all tests.
	*	Soil samples for cyanide analysis (in cores or jars) must be wrapped in dark plastic and kept cool at < 6°C without further treatment.
	**	Extract within 14 days and analyse within 40 days (Eurofins mgf's preference is to extract within 7 days for volatiles where sufficient time available).
	***	Eurofins mgf'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
CONTAINERS:	###	where acidity (hence liming rates) is captured in actual and potential acidity, analysis within one week should be satisfactory. Samples can be dried at 80°C to extend holding time
	###	except Metals/OCs/PCBs 28 days
	P	= Plastic (HDPE or equivalent, NO teflon lined lid)
	G	= Glass (teflon lined lid)
	T	= Tube

Soil Samples are discarded 3 months from the date received unless otherwise arranged.

Eurofins | Environment Testing - APAC Contact Details

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