

Client Sample Mass/Volume Requirements

An easy-to-use reference for mass/volume requirements



This document is a quick guide to the sample mass / volume required for testing your samples. Each of the determination types are listed below, and can be clicked to jump to the page instantly.

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Common Suites	Sample Mass / Volume Required
Waste Acceptance Criteria (WAC)	2kg
ENV2 Suite	1kg
Topsoil Analysis (BS 3882)	5kg
Topsoil Contamination Suite	1kg

Method Number	Analysis	Sample Mass / Volume Required
Determination of Organic Species		
MT/ACSE/101	Determination of BTEX in Soils and Granular Wastes by GC-FID	10g
MT/ACSE/102	Determination of TOC in Soils and Granular Wastes by NDIR	10g
MT/ACSE/103	Determination of TOC in Waters and Leachates by NDIR	50ml
MT/ACSE/104	Determination of PCBs in Soils and Granular Wastes by GC-ECD	50g
MT/ACSE/105	Determination of TPH in Soils and Solid Wastes by GC-FID	50g
MT/ACSE/106	Determination of PAHs in Soils and Solid Wastes by GC-MS	50g
MT/ACSE/107	Determination of Phenols in Groundwaters & Leachates from Solid Waste by HPLC	10ml
LP/ACSE/103	Low Level Phenol by HPLC	1000ml

Method Number	Analysis	Sample Mass / Volume Required
Determination of Inorganic Species		
MT/ACSE/201	Determination of Total Extractable Metals in Soils and Solid Wastes by Microwave Digestion / ICP-OES	10g
MT/ACSE/202	Determination of Mercury in Soils, Granular Wastes, Soils and Leachates by FIMS/CVAA	10g
MT/ACSE/203	Determination of Ammonium in Waters and Leachates by Spectrophotometry	10ml
MT/ACSE/204	Determination of Anions in Waters and Leachates by IC	50g
MT/ACSE/205	Determination of Metals in Waters and Leachates by ICP-OES	250ml

Method Number	Analysis	Sample Mass / Volume Required
Determination of Physicochemical Parameters		
MT/ACSE/301	Determination of pH of Soils, Waters and Leachates by pH Electrode	100g / 50ml
MT/ACSE/302	Loss on Ignition (LOI) in Soils by Combustion at 440°C	50g
MT/ACSE/303	Determination of Electrical Conductivity in Waters and Leachates by Conductivity Meter	50ml
MT/ACSE/304	Determination of TDS in Waters and Leachates by Filtration/Evaporation/Gravimetry	50ml
MT/ACSE/305	Determination of TSS in Waters and Leachates by Filtration/Gravimetry	200ml
MT/ACSE/306	Determination of BOD ₅ in Waters and Leachates	100ml
MT/ACSE/307	Determination of COD in Waters and Leachates by Digestion/Spectrophotometry	10ml

Method Number	Analysis	Sample Mass / Volume Required
Non Accredited Methods		
NAM/ACSE/X01	BTEX Determination in Waters	50ml
NAM/ACSE/X02	Determination of Total Petroleum Hydrocarbons in Water	50ml
NAM/ACSE/X03	Determination of Phenols in Soils and Solid Waste	25g
NAM/ACSE/X04	Determination of Total Alkalinity in Water & Leachates	100ml
NAM/ACSE/X05	Determination of Total Nitrogen in Water	50ml
NAM/ACSE/X06	BTEX Determination in Soils and Solid Waste - Extended Version for TPH Speciation	10g
NAM/ACSE/X07	Determination of Speciated Total Petroleum Hydrocarbons in Soils and Solid Waste	50g
NAM/ACSE/X08	ICP-OES Determination of Water Soluble Boron	100g
NAM/ACSE/X09	Determination of Cyanide and Sulphide in Soils	100g
NAM/ACSE/X10	Determination of Cyanide in Waters	100ml

Method Number	Analysis	Sample Mass / Volume Required
Non Accredited Methods		
NAM/ACSE/X11	Determination of Hexavalent Chromium in Waters & Soils	50g / 50ml
NAM/ACSE/X12	Determination of MTBE in Soils and Solid Granular Wastes	10g
NAM/ACSE/X13	Determination of Acid Soluble Sulphate in Soils and Waters	50g / 100ml
NAM/ACSE/X16	Determination of Polynuclear Aromatic Hydrocarbons in Waters and Leachates	200ml
NAM/ACSE/X17	Determination of Elemental Sulphur in Soils	50g
NAM/ACSE/X19	Determination of Ammonia Nitrogen by Colorimetry	10ml
NAM/ACSE/X20	Determination of Thiocyanate by Ion Selective Electrode	50g / 50ml
NAM/ACSE/X21	Determination of Acid Neutralisation Value for Liming Materials to BS EN 12945:2008	10g
NAM/ACSE/X22	Determination of Extractable Phosphorus in Soils (BS 3882:2007, Annex A)	50g
NAM/ACSE/X23	Determination of Exchangeable Cations (K, Mg, Na & Ca) in Soils (BS 3882:2007, Annex B)	50g

Method Number	Analysis	Sample Mass / Volume Required
Non Accredited Methods		
NAM/ACSE/X24	Conduct of Extraction for PBET Procedure for Metals in Soil	10g
NAM/ACSE/X25	Determination of Volatile Organic Compounds in Soils and Waters by GC/MS	10g / 50ml
NAM/ACSE/X26	Determination of Semi-volatile Organic Compounds by GC/MS	50g / 1000ml
NAM/ACSE/X27	Determination of Kjeldahl Nitrogen in Soils	10g
NAM/ACSE/X29	Determination of Soil Organic Matter / Carbon	10g
NAM/ACSE/X30	BTEX Range Hydrocarbons by GC / MS	10g / 50ml
NAM/ACSE/X31	Low Level TPH in Waters by Solid Phase Extraction	1000ml
NAM/ACSE/X32	Group Separation of Hydrocarbons for Speciated TPH Analysis	50g / 50ml
NAM/ACSE/X34	Acid Soluble Sulphate by ICP	50g
NAM/ACSE/X35	Free, Easily Liberated, Complex & Total Cyanide in Waters & Leachates by IC	100ml

Method Number	Analysis	Sample Mass / Volume Required
Non Accredited Methods		
NAM/ACSE/X36	Determination of Settleable Solids using Imhoff Cone	1000ml
NAM/ACSE/X37	Determination of Reactivity of Liming Materials to BS EN 13971:2008	50g
NAM/ACSE/X38	Loss on Ignition (Trommel Fines)	1kg

Please contact us if you require further information or assistance in the supply of suitable containers for your analysis.
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