

INORGANICS (AIR & BULK MATERIALS) ROUTINE ASSAYS

SUBSTANCE TYPE	ANALYTE	METHOD	MIN BATCH SIZE	PRICE PER (ADDITIONAL) SAMPLE	RECOMMENDED FILTERS OR SAMPLE	LEAD TIME	SAMPLE VOLUME	NOTES
Metal Suite on Filter	Al, Ba, Bi, Ca, Co, Cu, Cr, Fe, K, Li, Mg, Mn, Na, Ni, Pb, Si, Sr & Zn (other metals by agreement)	ICP-OES (BS ISO 15202 Annex G)	8 (£920)	£48	25mm Mixed Cellulose (MCE) filter	2 days	1 filter	25mm MCE Filter can be supplied at £25 for 10 filters
Lead	Lead	ICP-OES (BS ISO 15202 Annex H)	20 (£1120)	£38	Ghost wipe	2 days	1 Wipe	Ghost Wipes can be supplied at £40 for 20 wipes and tubes.
Strontium	Strontium	ICP-OES (BS ISO 15202 Annex H)				2 days	1 Wipe	
Nickel	Nickel	ICP-OES (BS ISO 15202 Annex H)				2 days	1 Wipe	
Arsenic	Arsenic	ICP-OES (BS ISO 15202 Annex H)				2 days	1 Wipe	
Cadmium	Cadmium	ICP-OES (BS ISO 15202 Annex H)				2 days	1 Wipe	
Strontium	Strontium	ICP-OES				6 (£397)	£38	
Lead	Lead	ICP-OES	6 (£397)	£38	Aqueous Solution	N/a	50 mls	
Ferrous welding fume	Al, Ba, Bi, Ca, Co, Cu, Cr, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Si, Sr, Ti, V & Zn	ICP-OES (BS ISO 15202 Annex G)	8 (£923)	£49	Bulk sample	N/a	10 mg	
	Fluoride	MDHS35/2	10 (£1028)	£70	Bulk sample	N/a	10 mg	
	Chromium VI	Ion Chromatography BS ISO 16740	10 (£1000)	£55	Bulk sample	N/a	10 mg	
Metal Working Fluids	Metal Working Fluids	MDHS 95/3	£974 for 10 filters (Max 3 Sump concentrates)	£43 / filter	Filter/ Sump			HSL Can supply filters if required
Diesel Fume	Elemental & Organic Carbon	Combustion Method	10 (£568)	£33	Pretreated 25mm Quartz Filter	5 days	1 filter	Pretreated 25mm Quartz Filter can be supplied at £75 for 10 filters
Mannitol, Sorbitol or Glucose	Mannitol, Sorbitol or Glucose	Ion Chromatography	20 (£1337)	£55	25mm GF/F Filter	2 days	1 filter	25mm GF/F Filter can be supplied at £25 for 10 filters
Lactose	Lactose					2 days	1 filter	

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Chromium VI	Chromium VI	Ion Chromatography BS ISO 16740	10 (£800)	£43	25mm PVC filter	2 days	1 filter	25mm PVC Filter can be supplied at £25 for 10 filters
Chromium VI	Chromium VI	Ion Chromatography BS ISO 16740			Treated PVDF filter	5 days	1 filter	Treated 25mm PVDF Filter can be supplied at £100 for 10 filters
Chromium VI	Chromium VI	Ion Chromatography BS ISO 16740			37mm Glass Fibre Wipe	2 days	1 Wipe	
Phosphoric acid & Sulphuric acid	Phosphoric acid & Sulphuric acid	Ion Chromatography	10 (£757)	£43	PVC Filter	2 days	1 filter	25mm PVC Filter can be supplied at £25 for 10 filters
Hydrofluoric acid, hydrobromic acid, hydrochloric acid and nitric acid	Hydrofluoric acid, hydrobromic acid, hydrochloric acid and nitric acid	Ion Chromatography			Alkaline-impregnated quartz fibre filter	5 days	1 filter	Pretreated 25mm Quartz Filter can be supplied at £75 for 10 filters
Gaseous hydrofluoric acid, hydrobromic acid, hydrochloric acid and nitric acid	Gaseous hydrofluoric acid, hydrobromic acid, hydrochloric acid and nitric acid	Ion Chromatography			(SKC) washed silica gel sorbent tubes	10 days	1 sorbent tube	
Mercury	Mercury	Zeeman AA Spectrometry MDHS 16/2	20 (£1110)	£38	Diffusive badges (SKC Part No: 520-02A or C)	10 days	1 badge	
					Sorbent tubes (SKC Part No: 226-17-1A or 3A)	10 days	1 sorbent tube	
					Ghost wipe	2 days	1 Wipe	Ghost Wipes can be supplied at £40 for 20 wipes and tubes.
Alpha Quartz	Respirable Crystalline Silica	X-ray Diffraction	10 (£730)	£54	25mm PVC Filter (Sampler dependent)			25mm PVC Filter can be supplied at £25 for 10 filters
Cristobalite (in conjunction with Alpha quartz above)	Respirable Crystalline Silica	X-ray Diffraction	5 (£266)	£54	25mm PVC Filter (Sampler dependent)			25mm PVC Filter can be supplied at £25 for 10 filters

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Qualitative analysis of crystalline silica	Crystalline Silica	X-ray Diffraction	1 (£347)	£270	Bulk material	N/a	50 grammes	
Hydroxyapatite	Hydroxyapatite (In house method)	X-ray Diffraction	1	£145	Bulk material	N/a	1 gramme	
Hydroxyapatite (ISO13779)	Hydroxyapatite (ISO13779)	X-ray Diffraction	1	£308	Bulk material	N/a	1 gramme	
Calcium phosphate	Calcium phosphate	X-ray Diffraction Rietveldt	1	£308	Bulk material	N/a	1 gramme	