

Sediment analysis

Parameter monitored	Standard methodology used	Matrix	Detection limit	Is this company accredited for this test? 1
Asbestos bulk	NIOSH 9002	Any solid material	- (identification)	No
Granulometry	MP 0586 rev 0 1999	Solid waste & sediments	-	No
Specific weight	APHA-2710F/2005	Solid waste & sediments	kg/dm ³	No
Apparent specific waste	MP 1490 rev 0 2006	Solid waste & sediments	kg/dm ³	No
Ignition point (open)	ASTM-D92-05a	Solid waste & sediments	°C	Yes
Ignition point (closed)	ASTM D 93-08	Solid waste & sediments	°C	Yes
Speed of combustion	GUI 19/08/97 V. IV	Solid waste & sediments	s	No
Density	MP 1490 rev 0 2006	Solid waste & sediments	kg/dm ³	No
pH	CNR IRSA 1 Q 64 VOL 3 1985	Solid waste & sediments	0-14 pH units	Yes
Total Acidity	MP 1635 rev 0 2007	Solid waste & sediments	5 meq/kg	No
Total Alkalinity	MP 1635 rev 0 2007	Solid waste & sediments	1 meq/kg	No
Water content (Karl Fisher method)	ISO 6296:2000	Solid waste & sediments	30 mg/kg	No
Chlorides (IC)	EPA 300.0 1993	Solid waste & sediments	10 mg/kg	Yes
Fluorides (IC)	EPA 300.0 1993	Solid waste & sediments	10 mg/kg	Yes
Sulphates (IC)	EPA 300.0 1993	Solid waste & sediments	10 mg/kg	Yes
Phosphates (IC)	EPA 300.0 1993	Solid waste & sediments	10 mg/kg	Yes
Nitrates (IC)	EPA 300.0 1993	Solid waste & sediments	5 mg/kg	Yes
Lower Calorific value	UNI 9246:1988 PUNTO A1.3.2	Solid waste & sediments	kJ/kg	No
Higher Calorific value	UNI 9903-5:1992	Solid waste & sediments	kJ/kg	Yes
Residue @ 105 °C	APHA-2540G/05	Solid waste & sediments	0.1% p/p	Yes
Residue @ 600 °C	APHA-2540G/05	Solid waste & sediments	0.1% p/p	Yes
Total Nitrogen	APAT CNR IRSA 4050 Man 29 2003	Solid waste & sediments	1 mg/kg	Yes
Total Fluorine (alkaline fusion)	MP 1733 rev 0 2008	Solid waste & sediments	50 mg/kg	No
Total Chlorine (XRF)	UNI EN 15309:2007	Solid waste & sediments	50 mg/kg	No
Total Bromine (XRF)	UNI EN 15309:2007	Solid waste & sediments	50 mg/kg	No
Total Iodine (XRF)	UNI EN 15309:2007	Solid waste & sediments	50 mg/kg	No
Elemental Carbon	MP 1645 rev 0 2007 (UNI 9903-6:1992)	Solid waste & sediments	0.1% p/p	No
Hexavalent Chromium (spectrophotometry)	CNR IRSA 16 Q 64 Vol. 3 1986	Solid waste & sediments	0.5 mg/kg	Yes
Elements (XRF)	UNI EN 15309:2007	Solid waste & sediments	mg/kg or %p/p	No
Elements (ICP)	EPA 3050 B 1996 + EPA 6010 C 2007	Solid waste & sediments	mg/kg	Yes
Aromatic compounds	EPA 5021 A 2003 + EPA 8260 C 2006	Solid waste & sediments	0.5 mg/kg	Yes
PCBs	EPA 3550 C 2007 + EPA 8082 A 2007	Solid waste & sediments	1 mg/kg	Yes
Light Halogenated organic compounds	EPA 5021 A 2003 + EPA 8260 C 2006	Solid waste & sediments	0.5 mg/kg	Yes
Heavy Halogenated organic compounds	EPA 3550 C 2007 + EPA 8270 D 2007	Solid waste & sediments	0.5 mg/kg	Yes
PCTs	MP 0217 rev 9 2009	Solid waste & sediments	1 mg/kg	Yes
Aliphatic hydrocarbons < C12	EPA 5021 A 2003 + EPA 8015 D 2003	Solid waste & sediments	5 mg/kg	Yes

¹ Accredited tests are subcontracted

Aliphatic hydrocarbons > C12	UNI EN 14039:2005	Solid waste & sediments	50 mg/kg	Yes
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Preparatory Elution	UNI EN 12457-2:2004	Leaching tests from solid sample	n/a	Yes
pH	UNI EN 12457-2:2004 + APAT CNR IRSA 2060 Man 29 2003	Leaching tests from solid sample	0-14 pH units	Yes
TDS	UNI EN 12457-2:2004 + APHA 2540 C 2005	Leaching tests from solid sample	5 mg/L	No
Dissolved organic carbon	UNI EN 12457-2:2004 + UNI EN 1484/99	Leaching tests from solid sample	1 mg/L	No
Cyanide	UNI EN 12457-2:2004 + APAT CNR IRSA 4070 Man 29 2003	Leaching tests from solid sample	0.01mg/L	Yes
Chloride	UNI EN 12457-2:2004 + EPA 300.0 1993	Leaching tests from solid sample	0.5mg/L	Yes
Sulphate	UNI EN 12457-2:2004 + EPA 300.0 1993	Leaching tests from solid sample	0.5mg/L	Yes
Fluoride	UNI EN 12457-2:2004 + EPA 300.0 1993	Leaching tests from solid sample	0.5 mg/L	Yes
Nitrates	UNI EN 12457-2:2004 + EPA 300.0 1993	Leaching tests from solid sample	0.5 mg/L	Yes
Bromide	UNI EN 12457-2:2004 + EPA 300.0 1993	Leaching tests from solid sample	0.5 mg/L	Yes
Metals	UNI EN 12457-2:2004 + EPA 6020A 2007	Leaching tests from solid sample	0.001mg/L	Yes