

Land monitoring

Note: This includes sediment and soil assessment, and sludge and waste characterisation.

A.

Parameter monitored	Standard methodology used	Detection limit	Is this company accredited for this test? ¹
Antimony	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Arsenic	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Beryllium	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Cadmium	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Cobalt	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Chromium	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Hexavalent Chromium (VI)	CNR IRSA 16 Q 64 Vol 3 1986	0.1 mg/kg	Yes
Mercury	EPA 3051A 2007 + EPA 6010C 2007	0.1 mg/kg	Yes
Nickel	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Lead	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Copper	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Selenium	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Tin	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Thallium	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Vanadium	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Zinc	CNR IRSA 10 Q 64 Vol 3 1985 + APAT CNR IRSA 3020 Man 29 2003	0.1 mg/kg	Yes
Cyanide	EPA 9010C 2004 + EPA 9014 1996	0.1 mg/kg	Yes
Fluoride	CNR IRSA 14 Q 64 Vol 3 1996	0.1 mg/kg	Yes
Benzene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Ethylbenzene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Styrene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Toluene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Xylene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Total Organic Aromatic compounds	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Benzo(a)anthracene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes

¹ Accredited tests are subcontracted

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Benzo(a)pyrene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Benzo(b)fluoranthene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Benzo(k)fluoranthene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Benzo(g,h,i) perilene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Chrysene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Dibenzo(a,e)pirene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Dibenzo(a,l)pirene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Dibenzo(a,i)pirene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Dibenzo(a,h)pirene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Dibenzo(a,h)antracene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Indenopirene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Pirene	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Summation Polycyclic Aromatic Compund	EPA 3541 1994 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Chloromethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Dichloromethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Tri Chloromethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Vinyl Chloride	EPA 5021A 2003 + EPA 8260C 2006	0.001 mg/kg	Yes
1,2-Dichloroethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,1-Dichloroethylene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Trichloroethylene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Tetrachloroethylene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,1-Dichloroethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,2-Dichloroethylene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,1,1-Trichloroethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,2-Dichloropropane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,1,2-Trichloroethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,2,3-Trichloropropane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,1,2,2-Tetrachloroethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Bromoform	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,2-Dibromoethane	EPA 5021A 2003 + EPA 8260C 2006	0.001 mg/kg	Yes
Dibromochloromethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Bromodichloromethane	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
Nitrobenzene	EPA 3541 1994 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes
1,2-Dinitrobenzene	EPA 3541 1994 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes

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1,3-Dinitrobenzene	EPA 3541 1994 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes
Cloronitrobenzeni	EPA 3541 1994 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes
Monochlorobenzene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,2-Dichlorobenzene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,4-Dichlorobenzene	EPA 5021A 2003 + EPA 8260C 2006	0.01 mg/kg	Yes
1,2,4-Trichlorobenzene	EPA 3550C 2007 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes
1,2,4,5-Tetrachlorobenzene	EPA 3550C 2007 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes
Pentachlorobenzene	EPA 3550C 2007 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes
Esachlorobenzene	EPA 3550C 2007 + EPA 3620C 2007 + EPA 8270D 2007	0.001 mg/kg	Yes
Metilphenol (o,m,p)	EPA 3550C 2007 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
Phenol	EPA 3550C 2007 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
2-Clorophenol	EPA 3550C 2007 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
2,4-Dichlorophenol	EPA 3550C 2007 + EPA 3630C 1996 + EPA 8270D 2007	0.01 mg/kg	Yes
2,4,6-Trichlorophenol	EPA 3550C 2007 + EPA 3630C 1996 + EPA 8270D 2007	0.001 mg/kg	Yes
Pentachlorophenol	EPA 3550C 2007 + EPA 3630C 1996 + EPA 8270D 2007	0.001 mg/kg	Yes
Aniline	CNR IRSA 26a Q 64 Vol 3 1994	0.005 mg/kg	Yes
o-Anisidine	CNR IRSA 26a Q 64 Vol 3 1994	0.005 mg/kg	Yes
m,p-Anisidina	CNR IRSA 26a Q 64 Vol 3 1994	0.005 mg/kg	Yes
Difenilammia	CNR IRSA 26a Q 64 Vol 3 1994	0.005 mg/kg	Yes
p-Toluidina	CNR IRSA 26a Q 64 Vol 3 1994	0.005 mg/kg	Yes
Summation ammine aromatiche	CNR IRSA 26a Q 64 Vol 3 1994	0.005 mg/kg	Yes
Alaclor	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
Aldrin	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
Atrazina	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
α -esacloroetano	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
β -esacloroetano	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
γ -esacloroetano	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
Chlordano	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
DDD, DDT, DDE	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes

Parameter monitored	Standard methodology used	Detection limit	Is this company accredited for this test? 1
Dieldrin	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
Endrin	EPA 3541 1994 + EPA 3630C 1996 + EPA 8081B 2007	0.001 mg/kg	Yes
PCB	EPA 3541 1994 + EPA 3630C 1996 + EPA 8082A 2007	0.005 mg/kg	Yes
Hydrocarbon C < 12	EPA 5021A 2003 + EPA 8260C 2006	0.1 mg/kg	Yes
Hydrocarbon C > 12	EPA 3541 1994 + EPA 8270D 2007	1 mg/kg	Yes
Asbestos	DM 06/09/1994 SO n° 129 GU n° 220 20/09/1994 + DGR 22/05/1998 n° 6/36262 BURL n° 25 25/06/1998	1000 mg/kg	Yes
Phthalic Acid Ester	EPA 3541 1994 + EPA 3620C 2007 + EPA 8270D 2007	0.01 mg/kg	Yes

B. Sediment and soil: physical properties

Medium	Sediment and soil
Parameters	Grain size analysis; pH
Methods used	Buchanan 1984