

Determinant	Assessment Criteria (mg/kg)	
	C4SL Screening Levels	S4UL Generic Assessment Criteria/RB Geotechnical Generic Assessment Criteria
Metals, semi- metals and non-metals		
Arsenic	37	37
Cadmium	17	11
Copper	NC	2400
Chromium Total	NC	910
Lead	210	NC
Mercury (elemental)	NC	1.2
Nickel	NC	130
Selenium	NC	250
Vanadium	NC	410
Zinc	NC	3700
PAH (total)	NC	NC
TPH (total)	NC	150-550 ₍₄₎
Naphthalene	NC	1.5
Acenaphthylene	NC	170
Acenaphthene	NC	210
Fluorene	NC	170
Phenanthrene	NC	95
Anthracene	NC	2400
Fluoranthene	NC	280
Pyrene	NC	620
Benzo(a)anthracene	NC	7.2
Chrysene	NC	15
Benzo(b)fluoranthene	NC	2.6
Benzo(k)fluoranthene	NC	77
Benzo(a)pyrene	3.2	2.2
Indeno(1,2,3-c,d)Pyrene	NC	2.3
Dibenzo(a,h)anthracene	NC	0.24
Benzo(g,h,i)perylene	NC	320
Others		
Cyanide (total)*	NC	5
Asbestos In Soil	NC	

NOTES:

(1) C4SL/LQM S4UL 2015 for Residential with gardens land use scenario at 1% organic matter content

(2) *= Dutch Target value used as screening value for cyanide.

(3) NC = No criterion.

(4) Limit based on CCME sum of C10-C34 (for most conservative screening value). Includes C₁₀ – C₁₆ limit = 150mg/kg (worst case minimum value) and C₁₆ – C₃₄ = 400mg/kg. Only for use as preliminary screening value, where hydrocarbons not suspected. If TPH>150mg/kg additional assessment may be required.