

Determinant	Assessment Criteria (mg/kg)		Potentially Phytotoxic elements
	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	Soil pH<6.0: <100 Soil pH 6.0 to 7.0: <135 Soil pH >7.0: <200
Chromium Total	NC	910	
Lead	210	NC	
Mercury (elemental)	NC	1.2	
Nickel	NC	130	Soil pH<6.0: <60 Soil pH 6.0 to 7.0: <75 Soil pH >7.0: <110
Selenium	NC	250	
Vanadium	NC	410	
Zinc	NC	3700	Soil pH<6.0: <200 Soil pH 6.0 to 7.0: <200 Soil pH >7.0: <300
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	

Determinant	Assessment Criteria (mg/kg)		Potentially Phytotoxic elements
	C4SL Screening Levels	S4UL Generic Assessment Criteria/RB Geotechnical Generic Assessment Criteria	
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 C ₁₀ – C ₁₆ limit = 150mg/kg (worst case minimum value) and C ₁₆ – C ₃₄ = 400mg/kg. Only for use as preliminary screening value, where hydrocarbons not suspected. If TPH>150mg/kg additional assessment may be required.			