

22/04/2021

## Chemical test results interpretation:

### End Use- Public Open Space (POS (1%) SOM).

Metals & Non-Metals	BH101	BH101	BH102	BH103	BH104	BH104	Adopted Guideline (mg/kg)	Source	Exceedances
	0.20	1.50	1.2	1.5	0.2	0.7			
Arsenic	10	11.00	12.00	14.00	18.00	14.00	79	C4SL	0
Boron, Water Soluble	0.4	0.30	0.30	< 0.2	< 0.2	0.20	21000	S4UL	0
Cadmium	0.2	0.30	0.20	< 0.1	< 0.1	< 0.1	220	C4SL	0
Chromium III	30	24.00	28.00	25.00	22.00	24.00	1500	S4UL	0
Chromium, Hexavalent	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	21	C4SL	0
Copper	40	49.00	31.00	37.00	50.00	36.00	12000	S4UL	0
Lead	28	32.00	25.00	17.00	26.00	35.00	630	C4SL	0
Mercury	< 0.05	0.07	< 0.05	< 0.05	< 0.05	0.05	16	S4UL	0
Nickel	34	32.00	43.00	39.00	35.00	35.00	230	S4UL	0
Phenol - Monohydric	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	440	S4UL	0
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1100	S4UL	0
Zinc	98	120.00	110.00	74.00	100.00	100.00	81000	S4UL	0

No exceedances encountered.

<b>Petroleum Hydrocarbons</b>	BH101	BH101	BH101	BH102	BH103	BH104	Adopted Guideline (mg/kg)	Source	Exceedances
	0.20	0.20	1.50	1.2	1.5	0.2			
Aliphatic C5-C6	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	570000	S4UL	0
Aliphatic C6-C8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	600000	S4UL	0
Aliphatic C8-C10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	13000	S4UL	0
Aliphatic C10-C12	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	13000	S4UL	0
Aliphatic C12-C16	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	13000	S4UL	0
Aliphatic C16-C21	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	250000	S4UL	0
Aliphatic C21-C35	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	250000	S4UL	0
Aliphatic C35-C40	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	< 3.4	56000	S4UL	0
Aromatic C5-C7	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	56000	S4UL	0
Aromatic C7-C8	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	5000	S4UL	0
Aromatic C8-C10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	5000	S4UL	0
Aromatic C10-C12	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	5100	S4UL	0
Aromatic C12-C16	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3800	S4UL	0
Aromatic C16-C21	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	< 0.6	3800	S4UL	0
Aromatic C21-C35	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	3800	S4UL	0

No exceedances encountered.

<b>Polyaromatic Hydrocarbons (PAH)</b>	BH101	BH101	BH101	BH102	BH103	BH104	Adopted Guideline (mg/kg)	Source	Exceedances
	0.20	0.20	1.50	1.2	1.5	0.2			
Acenaphthene	0.55	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	15000	S4UL	0
Acenaphthylene	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	15000	S4UL	0
Anthracene	0.74	0.06	< 0.03	< 0.03	< 0.03	< 0.03	74000	S4UL	0
Benzo(a)anthracene	1.1	0.22	< 0.03	< 0.03	< 0.03	< 0.03	29	S4UL	0
Benzo(a)pyrene	0.9	0.23	< 0.03	< 0.03	< 0.03	< 0.03	10	C4SL	0
Benzo(b)fluoranthene	1	0.28	< 0.03	< 0.03	< 0.03	< 0.03	7.1	S4UL	0
Benzo(g,h,i)perylene	0.32	0.11	< 0.03	< 0.03	< 0.03	< 0.03	640	S4UL	0
Benzo(k)fluoranthene	0.47	0.10	< 0.03	< 0.03	< 0.03	< 0.03	190	S4UL	0
Chrysene	1	0.21	< 0.03	< 0.03	< 0.03	< 0.03	57	S4UL	0
Dibenzo(a,h)anthracene	0.07	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.57	S4UL	0
Fluoranthene	3.3	0.54	0.03	< 0.03	< 0.03	< 0.03	3100	S4UL	0
Fluorene	0.44	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	9900	S4UL	0
Indeno(1,2,3-c,d)pyrene	0.26	0.10	< 0.03	< 0.03	< 0.03	< 0.03	82	S4UL	0
Naphthalene	0.1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	4900	S4UL	0
Phenanthrene	2.4	0.17	< 0.03	< 0.03	< 0.03	< 0.03	3100	S4UL	0
Pyrene	2.8	0.49	0.03	< 0.03	< 0.03	< 0.03	7400	S4UL	0

No exceedances encountered.

<b>Other Contaminants / Testing</b>	BH101	BH101	BH101	BH102	BH103	BH104	Adopted Guideline (mg/kg)	Source	Exceedances
	0.20	0.20	1.50	1.2	1.5	0.2			
Organic matter	1	0.40	< 0.1	< 0.1	1.2	0.7	-	-	-
pH	8.2	8.00	7.90	6.5	7.3	7.5	-	-	-
Sulphide	< 10	< 10	< 10	< 10	32	< 10	-	-	-
Cyanide, Total	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-
Sulphur (free)	< 0.75	2.30	1.70	< 0.75	< 0.75	< 0.75	-	-	-
Sulphate Aqueous Extract as SO <sub>4</sub>	170	29.00	65.00	15	430	54	-	-	-

In addition, no asbestos was detected.