

Table 5.1: Summary of CLEA Analysis – Averaging Zone 1 (Residential)

Determinand	Mean Value Test UBV	CLEA SGV / ICRCL TTV	UBV Pass / Fail	Maximum Value Test OCV	t Crit Value	OCV Greater / Less than t Crit Value
Arsenic	12.6	20 ⁽¹⁾	✓	1.64	1.91	<
Cadmium	0.6	8 ⁽¹⁾⁽²⁾	✓	2.47	1.91	>
Chromium	81.0	130 ⁽¹⁾	✓	2.08	1.91	>
Lead	3321.6	450 ⁽¹⁾	x	2.33	1.91	>
Mercury	0.4	8 ⁽¹⁾		2.47	1.91	>
Copper	111.7	130 ⁽³⁾	✓	2.02	1.91	>
Nickel	225.1	50 ⁽¹⁾	x	2.23	1.91	>
Zinc	532.4	300 ⁽³⁾	x	1.91	1.91	<
Selenium	1.0	35 ⁽¹⁾	✓	N/A	N/A	N/A
TPH Screen	1119.1	1000 ⁽⁴⁾	x	2.33	1.98	>
Phenol	2.5	5 ⁽⁵⁾	✓	N/A	N/A	N/A
Cyanide	2.0	250 ⁽⁵⁾	✓	N/A	N/A	N/A
pH	10.1	9.0 ⁽⁵⁾	N/A	N/A	N/A	N/A
Sulphate	0.1	1.2g/l ⁽⁵⁾	✓	2.05	1.91	>

Notes

- (1). CLEA SGV for Residential with Plant Uptake end use.
- (2). Cadmium SGV is pH dependent. SGV of 8mg/kg adopted on basis of mean pH of 8.8.
- (3). ICRCL TTV for phytotoxic metals (harmful to plants)
- (4). WSP Tier 1 Trigger Value based on typical clean up criteria adopted by Environment Agency and trigger value for "Special Waste" or "Controlled Waste" classification.
- (5). ICRCL TTV for gardens, allotments and playing fields
- (6). All values mg/kg unless stated

Table 5.2: Summary of CLEA Analysis – Averaging Zone 2 (Commercial)

Determinand	Mean Value Test UBV	CLEA SGV / ICRCL TTV	UBV Pass / Fail	Maximum Value Test OCV	t Crit Value	OCV Greater / Less than t Crit Value
Arsenic	12.6	500 ⁽¹⁾	✓	2.38	2.38	>
Cadmium	0.7	1400 ⁽¹⁾	✓	3.66	2.38	>
Chromium	35.0	5000 ⁽¹⁾	✓	1.45	2.38	<
Lead	61.6	750 ⁽¹⁾	✓	2.26	2.38	<
Mercury	0.3	480 ⁽¹⁾	✓	3.08	2.38	>
Copper	91.2	130 ⁽²⁾	✓	2.70	2.38	>
Nickel	42.9	50 ⁽¹⁾	✓	2.50	2.38	>
Zinc	103.1	300 ⁽²⁾	✓	2.75	2.38	>
Selenium	1.0	35 ⁽¹⁾	✓	N/A	N/A	N/A
TPH Screen	212.1	1000 ⁽³⁾	✓	2.16	2.31	<
Phenol	2.5	5 ⁽⁴⁾	✓	N/A	N/A	N/A
Cyanide	2.0	250 ⁽⁴⁾	✓	N/A	N/A	N/A
pH	7.9	9.0 ⁽⁴⁾	N/A	N/A	N/A	N/A
Sulphate	0.8	1.2g/l ⁽⁴⁾	✓	4.03	1.91	>