

*EQS Standard: Phenol and Benzene annual average of 300µg/l; Toluene 500µg/l for Freshwater, 400µg/l for Saltwater; 1,1,1-TCA 1,000µg/l.

Project Name:	Trowbridge Rugby Club
Project Number:	LDQ2048
Assessment for:	Soil Leachate Assessment
Laboratory:	i2
Receptor:	Freshwater
Receptor Water Hardness:	>200



100 = Assessment Criteria Exceedance

50 = M-BAT Bioavailability Assessment Required

Contaminant		Units	Detection Limit	Guideline Concentration	Source	Number of Samples	Min	Max	No of Exceedences	DS01	DS02	DS04	
										0.200.30	0.030.12	0.400.50	
Heavy Metals	Arsenic	µg/l	1.1	50	EQS Freshwater	3	7.40	9.40	0	8.30	9.40	7.40	
	Barium	mg/l	0.05	700	UK DWS	3	3.40	40.00	0	6.30	40.00	3.40	
	Beryllium	µg/l	0.2	None Available		3	0.20	0.20	0	0.20	0.20	0.20	
	Cadmium	µg/l	0.08	0.25	EQS Freshwater	3	0.08	0.08	0	0.08	0.08	0.08	
	Chromium III	µg/l	0.4	4.7	EQS Freshwater	3	0.50	0.90	0	0.90	0.50	0.50	
	Chromium VI	µg/l		3.4	EQS Freshwater	3	0.50	0.90	0	0.90	0.50	0.50	
	Copper	µg/l	0.7	1	EQS Freshwater	3	3.80	4.70	3	4.10	4.70	3.80	
	Lead	µg/l	1	1.2	EQS Freshwater	3	2.60	3.80	3	3.80	3.60	2.60	
	Mercury	µg/l	0.5	0.07	EQS Freshwater	3	0.50	0.50	3	0.50	0.50	0.50	
	Nickel	µg/l	0.3	4	EQS Freshwater	3	0.30	0.40	0	0.30	0.40	0.30	
	Selenium	µg/l	4	10	UK DWS	3	4.00	4.00	0	4.00	4.00	4.00	
	Vanadium	µg/l	1.7	None Available		3	1.70	3.20	0	1.70	3.20	1.70	
	Zinc	µg/l	0.4	10.9	EQS Freshwater	3	3.30	15.00	1	3.80	15.00	3.30	
	Boron	mg/l	10	2000	EQS Freshwater	3	14.00	27.00	0	14.00	27.00	20.00	
Inorganics	pH					3	7.90	8.10	0	8.10	8.00	7.90	
	Cyanide (total)	µg/l	10	1	EQS Freshwater	3	10.00	10.00	3	10.00	10.00	10.00	
	Sulphate	mg/l	0.1	400	EQS Freshwater	3	1.10	3.30	0	3.30	3.20	1.10	