

Recycled Water Quality Summary

ESK RRC Recycled Water Quality Summary

For sampling conducted between 1 July 2022 and 30 June 2023

Parameter	Units	No. Samples	Minimum	Average	Maximum
Acetic Acid	mg/L	10	<6	<6	9
Ammonia N	mg/L	10	19.7	22.37	27.2
Arsenic as As	mg/L	10	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	10	6	12	19
Boron as B	mg/L	10	0.066	0.08	0.097
Cadmium as Cd	mg/L	10	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	24.5	30.8	35.9
Chromium as Cr	mg/L	10	<0.001	<0.001	<0.001
COD as O2	mg/L	10	63	83	110
Conductivity at 25C	uS/cm	62	559	1084	1328
Copper as Cu	mg/L	10	<0.005	0.009	0.013
Dissolved O2 - Field	mg/L	12	3.12	5.58	7.31
Escherichia coli	cfu/100mL	52	<1	<1	5
Fluoride by ISE	mg/L	10	0.45	0.54	0.67
Free Chlorine	mg/L	64	<0.1	0.15	0.67
Lead as Pb	mg/L	10	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	4	11.6	14.4	16.8
Manganese as Mn	mg/L	10	0.032	0.09	0.148
Mercury as Hg	ug/L	10	<0.01	<0.01	<0.01
Nickel as Ni	mg/L	10	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	10	2.73	4.419	5.97
pH - Field	pH Unit	12	7.4	7.6	7.8
Selenium as Se	mg/L	10	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	112	113.7	116
Sodium Absorption Ratio	na	4	3.89	4.27	4.75
Suspended Solids	mg/L	10	13	18	23
Temperature - Field	C	12	14.1	18	24.1
Total Alkalinity as CaCO3	mg/L	10	155	181	218
Total Chlorine	mg/L	64	0.1	5.16	6.06
Total Nitrogen as N	mg/L	10	26.6	39.3	45.8
Total Phosphorus as P	mg/L	10	3.67	5.28	7.15
Zinc as Zn	mg/L	10	0.012	0.023	0.034