

Recycled Water Quality Summary

ARATULA 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	12	<6	<6	<6
Ammonia N	mg/L	13	0.13	11.25	22.6
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
Boron as B	mg/L	12	0.062	0.096	0.123
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	2	21.3	22.6	23.9
CBOD 5 days @ 20oC	mg/L	13	<5	<5	17
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	12	41	68	93
Conductivity at 25C	uS/cm	46	523	944	1279
Copper as Cu	mg/L	12	<0.005	<0.005	0.021
Dissolved O2 - Field	%	12	45.6	77.7	96
Dissolved O2 - Field	mg/L	13	4.26	6.92	8.72
Escherichia coli	cfu/100mL	34	<1	31	400
Fluoride by ISE	mg/L	12	0.4	0.63	0.82
Free Chlorine	mg/L	47	<0.1	0.16	0.79
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	2	11.4	12	12.5
Manganese as Mn	mg/L	12	0.227	0.375	0.999
Mercury as Hg	ug/L	12	<0.01	<0.01	0.01
Nickel as Ni	mg/L	12	<0.01	<0.01	<0.01
Ortho Phosphorus as P	mg/L	12	2.8	5.774	8.75
pH - Field	pH Unit	13	7.6	7.7	8
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	2	104	137.5	171
Sodium Absorption Ratio	na	2	4.52	5.79	7.06
Suspended Solids	mg/L	13	<5	14	36
Temperature - Field	C	13	12	20.2	27.7
Total Alkalinity as CaCO3	mg/L	12	145	229	309
Total Chlorine	mg/L	47	<0.1	3.11	6.06
Total Nitrogen as N	mg/L	13	7.05	15.52	29
Total Phosphorus as P	mg/L	13	4.18	6.15	8.75
Turbidity	NTU	34	7.5	24.1	82.2
Zinc as Zn	mg/L	12	<0.005	<0.005	0.011