

# Recycled Water Quality Summary

## FAIRFIELD 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	52	0.08	0.98	8.01
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	52	<5	<5	8
Boron as B	mg/L	12	0.085	0.095	0.117
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	51	26.5	36.7	43.3
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	51	<5	22	49
Copper as Cu	mg/L	12	<0.005	<0.005	<0.005
Dissolved O2 - Field	mg/L	52	2.9	5.44	6.8
Escherichia coli	cfu/100mL	52	<1	<1	2
Fluoride by ISE	mg/L	12	<0.05	0.37	0.7
Free Chlorine	mg/L	104	<0.1	<0.1	0.62
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	51	11.4	21.7	28.6
Manganese as Mn	mg/L	12	0.064	0.129	0.169
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	51	0.01	1.741	6.56
pH - Field	pH Unit	3	6.8	7	7.1
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	51	66.7	138.8	176
Sodium Absorption Ratio	na	51	2.73	4.49	5.44
Suspended Solids	mg/L	52	<5	<5	<5
Temperature - Field	C	52	21.4	25.6	29.7
Total Alkalinity as CaCO3	mg/L	52	52	114	153
Total Chlorine	mg/L	104	0.25	0.69	1.64
Total Nitrogen as N	mg/L	52	3.25	4.92	10.35
Total Phosphorus as P	mg/L	52	0.12	1.8	6.65
Zinc as Zn	mg/L	12	0.019	0.025	0.034