

Recycled Water Quality Summary

ROSEWOOD 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	34	0.52	3.38	16.5
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	12	<5	<5	6
Boron as B	mg/L	12	0.069	0.104	0.209
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	4	29.1	36.1	44.1
CBOD 5 days @ 20oC	mg/L	22	<5	<5	8
Chromium as Cr	mg/L	12	<0.001	<0.001	<0.001
COD as O2	mg/L	12	14	36	57
Conductivity at 25C	uS/cm	65	424	951	1273
Copper as Cu	mg/L	12	<0.005	<0.005	0.006
Dissolved O2 - Field	mg/L	12	2.25	5.65	7.91
Escherichia coli	cfu/100mL	65	<1	211	13000
Fluoride by ISE	mg/L	12	0.09	0.45	0.77
Free Chlorine	mg/L	76	<0.1	<0.1	0.77
Lead as Pb	mg/L	12	<0.004	<0.004	<0.004
Magnesium as Mg	mg/L	4	14	19.3	26.2
Manganese as Mn	mg/L	12	0.03	0.057	0.104
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	23	1.12	3.693	11.3
pH - Field	pH Unit	12	7	7.2	7.5
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	4	110	123	152
Sodium Absorption Ratio	na	4	3.7	4.12	4.48
Suspended Solids	mg/L	34	<5	<5	19
Temperature - Field	C	12	16.4	20.6	26.1
Total Alkalinity as CaCO3	mg/L	23	83	136	201
Total Chlorine	mg/L	76	0.38	1.99	5.67
Total Nitrogen as N	mg/L	23	6.8	12.89	24.2
Total Phosphorus as P	mg/L	23	1.69	4.03	11.35
Zinc as Zn	mg/L	12	0.01	0.023	0.042