

# Recycled Water Quality Summary

## CAROLE PARK 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	59	0.03	1.95	10.5
Arsenic as As	mg/L	12	<0.007	<0.007	<0.007
BOD 5 days @ 20oC	mg/L	58	<5	<5	22
Boron as B	mg/L	12	0.07	0.098	0.147
Cadmium as Cd	mg/L	12	<0.001	<0.001	<0.001
Calcium as Ca	mg/L	60	47.1	84.9	153
Chromium as Cr	mg/L	12	0.006	0.019	0.039
COD as O2	mg/L	52	22	39	90
Conductivity at 25C	uS/cm	140	489	1958	2316
Copper as Cu	mg/L	12	<0.005	<0.005	0.006
Dissolved O2 - Field	%	6	41.4	73.2	86.3
Dissolved O2 - Field	mg/L	59	2.45	4.96	8.02
Escherichia coli	cfu/100mL	205	5	87	3900
Fluoride by ISE	mg/L	12	0.06	0.48	1.23
Free Chlorine	mg/L	153	<0.1	<0.1	0.61
Lead as Pb	mg/L	12	<0.004	0.007	0.036
Magnesium as Mg	mg/L	60	5.5	9.2	16
Manganese as Mn	mg/L	12	0.011	0.021	0.037
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	53	0.044	0.872	4.58
pH - Field	pH Unit	7	7.2	7.3	7.4
Selenium as Se	mg/L	12	<0.01	<0.01	<0.01
Sodium as Na	mg/L	60	155	233.5	286
Sodium Absorption Ratio	na	60	4.26	6.5	8.12
Suspended Solids	mg/L	146	<5	<5	75
Temperature - Field	C	58	7.2	24.9	30.7
Total Alkalinity as CaCO3	mg/L	52	56	190	253
Total Chlorine	mg/L	153	<0.1	0.57	3.44
Total Nitrogen as N	mg/L	58	2.23	6.91	16.75
Total Phosphorus as P	mg/L	58	0.18	1.09	5.5
Turbidity	NTU	88	0.3	3.9	66.9
Zinc as Zn	mg/L	12	0.012	0.04	0.095