

Monitoring Point:

Carnarvon Distribution Main Raw Water SP

Date Range:

01/01/2022 to 31/12/2022

	ADWG Health Guideline	ADWG Aesthetic Guideline	Minimum	Average	Maximum	Number of Samples	Not detected		Detected		> 80% Guideline		> Guideline	
							Number	%	Number	%	Number	%	Number	%
Major Components														
Alkalinity as CaCO3	Guideline not set	Guideline not set	98	109	120	2	0	0	2	100	0	0	0	0
Aluminium unfiltered	Guideline not set	0.2 mg/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Calcium	Guideline not set	Guideline not set	37	38.5	40	2	0	0	2	100	0	0	0	0
Chloride	Guideline not set	250 mg/L	125	137.5	150	2	0	0	2	100	0	0	0	0
Colour - True	Guideline not set	15 TCU	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Conductivity Laboratory at 25 C	Guideline not set	Guideline not set	72.1	76.155	79	3	0	0	3	100	0	0	0	0
Filterable organic carbon	Guideline not set	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Hardness as CaCO3	Guideline not set	200 mg/L	170	170	170	2	0	0	2	100	2	100	0	0
Iron unfiltered	Guideline not set	0.3 mg/L	0.05	0.185	0.32	2	0	0	2	100	0	0	1	50
Magnesium	Guideline not set	Guideline not set	18	18	18	2	0	0	2	100	0	0	0	0
Manganese unfiltered	0.5 mg/L	0.1 mg/L	n/a	n/a	0.004	2	1	50	1	50	0	0	0	0
Nitrite plus nitrate as N	11.29 mg/L	Guideline not set	0.74	0.75	0.76	2	0	0	2	100	0	0	0	0
Potassium	Guideline not set	Guideline not set	7.6	8.4	9.2	2	0	0	2	100	0	0	0	0
Silicon as SiO2	Guideline not set	80 mg/L	27	35.5	44	2	0	0	2	100	0	0	0	0
Sodium	Guideline not set	180 mg/L	72	81.5	91	2	0	0	2	100	0	0	0	0
Sulphate	500 mg/L	250 mg/L	54	60	66	2	0	0	2	100	0	0	0	0
Total Filterable Solids by Summation	Guideline not set	600 mg/L	506	515	524	2	0	0	2	100	2	100	0	0
Turbidity	Guideline not set	5 NTU	0.1	0.35	0.6	2	0	0	2	100	0	0	0	0
pH measured in laboratory	Guideline not set	8.5 NOUNIT	7.17	7.26	7.35	2	0	0	2	100	2	100	0	0
Metals A														
Arsenic	0.01 mg/L	Guideline not set	n/a	n/a	n/a	4	4	100	0	0	0	0	0	0
Pesticides														
1,3-Dichloropropene	Guideline not set	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
2,4-dichlorophenoxyacetic acid	30 ug/L	0.1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
4-chloro-2-methylphenoxy acetic acid	40 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Aldicarb	4 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Aldrin	0.3 ug/L	0.01 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Aldrin and Dieldrin	0.3 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Ametryn	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Amitraz	9 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Amitrole	9 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Asulam	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Atrazine	20 ug/L	0.1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Azinphos-methyl	30 ug/L	2 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Bioresmethrin	100 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Bromacil	400 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Bromoxynil	10 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Carbaryl	30 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0

Carbendazim	90 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Carbofuran	10 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Chlorantraniliprole	6000 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Chlorfenvinphos	2 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Chlorothalonil	50 ug/L	0.1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Chlorpyrifos	10 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Chlorsulfuron	200 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Clopyralid	2000 ug/L	1000 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Cyfluthrin	50 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Cypermethrin	200 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Cyprodinil	90 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
DDT (total isomers)	9 ug/L	0.06 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dalapon	500 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Deltamethrin	40 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Diazinon	4 ug/L	1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dicamba	100 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dichlobenil	10 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dichloroprop	100 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dichlorvos	5 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Diclofop-methyl	5 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dieldrin	0.3 ug/L	0.01 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Dimethoate	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Diquat	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Disulfoton	4 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Diuron	20 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Endosulfan	20 ug/L	0.05 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Ethion	4 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Etridiazole	100 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fenamiphos	0.5 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fenarimol	40 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fenitrothion	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fenthion	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fenvalerate	60 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fipronil	0.7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Flamprop-methyl	4 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fluazifop	10 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Fluometuron	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Flupropanate	9 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Glyphosate	1000 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Heptachlor & heptachlor epoxide (total)	0.3 ug/L	0.05 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Hexazinone	400 ug/L	2 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Imazapyr	9000 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Maldison	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Methidathion	6 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Methiocarb	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Methomyl	20 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Metolachlor	300 ug/L	2 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0

Metribuzin	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Metsulfuron-methyl	40 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Mevinphos	5 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Napropamide	400 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Norflurazon	50 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Omethoate	1 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Oryzalin	400 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Oxamyl	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Paraquat	20 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Parathion-ethyl	20 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Parathion-methyl	0.7 ug/L	0.3 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Pendimethalin	400 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Permethrin	200 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Picloram	300 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Piperonyl butoxide	600 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Pirimicarb	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Pirimiphos methyl	90 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Polihexanide	700 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Propachlor	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Propargite	7 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Propiconazole	100 ug/L	0.1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Propyzamide	70 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Pyrasulfotole	40 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Pyroxsulam	4000 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Simazine	20 ug/L	0.5 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Temephos	400 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Terbacil	200 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Terbutylazine	10 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Terbutryn	400 ug/L	1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Thiophanate-methyl	5 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Toltrazuril	4 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Triadimefon	90 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Triclopyr	20 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Trifluralin	90 ug/L	0.1 ug/L	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Vernolate	40 ug/L	Guideline not set	n/a	n/a	n/a	2	2	100	0	0	0	0	0	0
Ungrouped														
Fluoride laboratory measurement	1.5 mg/L	Guideline not set	0.4	0.4	0.4	1	0	0	1	100	0	0	0	0
Naegleria tolerant to 42 C	Guideline not set	Guideline not set	n/a	n/a	n/a	13	13	100	0	0	0	0	0	0
UV Absorbance at 254nm	Guideline not set	Guideline not set	0.002	0.003	0.003	2	0	0	2	100	0	0	0	0
Ungrouped New Source Variables														
Escherichia coli	Guideline not set	Guideline not set	n/a	n/a	n/a	13	13	100	0	0	0	0	0	0