

TYPICAL ANALYSIS OF MELBOURNE'S WATER 2009

BASED ON ANALYSES BETWEEN JULY 2004 AND JUNE 2009

Parameter	Units	Silvan	Cardinia	Winneke	Greenvale	Tarago *	Yan Yean
pH	units	6.9 - 7.4	7.0 - 7.5	6.8 - 7.4	7.0 - 7.3	7.0 - 7.5	6.9 - 7.6
Colour	Pt/Co	8	3	2	4	2	2
Turbidity	NTU	0.5 - 2.3	0.1 - 1.6	0.1 - 0.9	0.5 - 2.2	0.2 - 1.0	0.1 - 1.0
Specific Conductance	uS/cm	50 - 65	55 - 70	110 - 160	55 - 70	120 - 200	110 - 160
Iron	mg/L	0.07	0.04	0.01	0.05	0.01	0.01
Manganese	mg/L	0.008	0.006	0.008	0.003	0.004	0.005
Fluoride	mg/L	0.90`	0.88	0.85	0.95	0.78	0.87
Aluminium (Acid Soluble)	mg/L	0.04	0.01	0.03	0.02	0.04	0.03
Arsenic	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Calcium	mg/L	3.7	3.6	7.7	3.9	13	8.1
Chloride	mg/L	6.1	7.2	19.1	8.3	26	23.2
Chromium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	mg/L	0.15	0.017	0.009	0.023	0.002	0.013
Cyanide	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Haloacetic acids							
- Chloroacetic acid	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
- Dichloroacetic acid	mg/L	0.018	0.008	0.005	0.008	0.006	0.006
- Trichloroacetic acid	mg/L	0.013	0.007	0.003	0.009	0.006	0.005
Hardness	mg/L	14	15	28	15	44	29
Lead	mg/L	<0.001	<0.001	<0.001	0.001	0.001	0.001
Magnesium	mg/L	1.3	1.5	2.2	1.5	3.0	2.7
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Nickel	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Nitrate (N)	mg/L	0.20	0.10	0.41	0.10	0.06	0.20
Potassium	mg/L	0.7	0.8	1.5	0.8	2.0	1.3
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Silica as SiO ₂	mg/L	7.3	6.5	5.0	7.0	2.1	3.6
Sodium	mg/L	4.5	5.1	11.2	5.4	14	11.2
Sulphate	mg/L	1.0	1.3	13.6	1.3	16	13.6
Total Alkalinity (as CaCO ₃)	mg/L	9.9	11.6	9.9	10.62	26.8	11.8
Total Organic Carbon	mg/L	2.1	1.9	1.8	2.0	2.5	2.8
Total Phosphorus	mg/L	0.02	0.01	0.01	0.01	<0.01	0.02
Total Solids	mg/L	34	36	80	40	110	79
Total THM	mg/L	0.019	0.023	0.023	0.018	0.026	0.040
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01

DATE ISSUED: **OCTOBER 2009**

Nominal values rounded to nearest decimal point

Tarago figures are based on three months operation at the new Tarago Treatment Plant