

TYPICAL ANALYSIS OF MELBOURNE'S WATER 2008

BASED ON ANALYSES BETWEEN JULY 2003 AND JUNE 2008

Parameter	Units	Silvan	Cardinia	Winneke	Upper Yarra	Greenvale	Yan Yean	Healesville	Yarra Glen
pH	units	6.9 - 7.4	7.0 - 7.4	6.8 - 7.4	6.8 - 7.3	6.9 - 7.3	6.9 - 7.6	6.9 - 7.4	7.0 - 7.6
Colour	Pt/Co	8	3	2	10	4	2	4	2
Turbidity	NTU	0.5 - 2.2	0.1 - 1.5	0.1 - 0.6	0.7 - 5.8	0.3 - 2.2	0.1 - 0.9	0.1 - 0.6	0.1 - 0.7
Specific Conductance	uS/cm	50 - 65	50 - 70	100 - 160	40 - 50	55 - 70	100 - 160	50 - 65	50 - 75
Iron	mg/L	0.07	0.03	0.01	0.07	0.05	0.01	0.02	0.01
Manganese	mg/L	0.008	0.006	0.006	0.011	0.003	0.004	0.002	0.005
Fluoride	mg/L	0.90	0.88	0.85	<0.1	0.95	0.87	<0.1	<0.1
Aluminium	mg/L	0.04	0.01	0.03	-	0.02	0.04	0.03	0.01
Arsenic	mg/L	<0.005	<0.005	<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	<0.0005	<0.0005
Calcium	mg/L	3.1	3.7	7.3	1.8	3.7	7.0	1.0	1.4
Chloride	mg/L	5.9	7.7	19.5	4.4	8.4	23.6	10.7	9.5
Chromium	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	mg/L	0.13	0.014	0.008	0.002	0.022	0.014	0.005	0.013
Cyanide	mg/L	<0.01	<0.01	<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	<0.005	<0.005
-Dichloroacetic acid	mg/L	0.018	0.009	0.005	0.006	0.006	0.005	0.035	0.026
-Trichloroacetic acid	mg/L	0.013	0.007	0.002	0.002	0.006	0.011	0.040	0.033
Hardness	mg/L	13	15	26	10	15	27	5	6
Lead	mg/L	<0.001	<0.001	<0.001	<0.001	0.001	0.001	<0.001	<0.001
Magnesium	mg/L	1.1	1.4	2.0	1.3	1.3	2.4	0.7	0.7
Mercury	mg/L	<0.0001	<0.0001	<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	<0.002	<0.002
Nitrate (N)	mg/L	0.19	0.14	0.41	0.18	0.09	0.19	0.23	0.21
Potassium	mg/L	0.8	0.9	1.4	0.7	0.9	1.2	0.9	0.8
Selenium	mg/L	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Silica as SiO ₂	mg/L	7.3	6.5	4.7	7.0	7.0	3.9	8.4	6.6
Sodium	mg/L	4.6	5.5	11.2	4.3	5.7	14.3	8.0	7.6
Sulphate	mg/L	1.0	1.2	12.1	1.1	1.2	11.1	0.9	0.9
Total Alkalinity (as CaCO ₃)	mg/L	9.7	11.9	9.9	11.0	11.2	11.6	7.3	6.2
Total Organic Carbon	mg/L	2.0	1.9	1.7	1.7	1.9	2.9	2.0	2.2
Total Phosphorus	mg/L	0.03	0.01	0.02	0.04	0.02	0.05	0.01	0.06
Total Solids	mg/L	34	37	80	27	38	86	34	34
Total THM	mg/L	0.018	0.023	0.024	-	0.016	0.038	0.057	0.068
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01

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Nominal values rounded to nearest decimal point