

Water Quality Chemistry Services
ADDITIONAL PHYSICAL, MINERAL, AND METAL CHARACTERISTICS

PARAMETER	Units	CSD MDL	CITY OF SAN DIEGO TREATMENT PLANTS								
			ALVARADO			MIRAMAR			OTAY		
			MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX
2-Methylisoborneol	ppt (ng/L)	5	ND	ND	9.7	ND	ND	ND	ND	ND	ND
Aggressive Index	---	---	11.1	12.1	12.5	7.6	11.6	12.4	11.6	12.2	12.5
Ammonia (as Nitrogen)	ppm	0.03	0.45	0.58	0.77	0.34	0.49	0.70	0.41	0.54	0.69
Bicarbonate	ppm	---	111	136	157	96.0	125	147	118.0	156	196
Bromide	ppm	0.1	ND	ND	0.16	ND	ND	0.24	ND	ND	0.22
Calcium	ppm	5	33.0	52.7	67.2	31.4	50.1	62.0	43.6	51.2	60.8
Calcium Hardness	ppm	10	82.6	132	168	78.6	125	155	109	128	152
Carbonate	ppm	---	0	0	0	0	0	0	0	0.3	3.3
Dissolved Organic Carbon (DOC)*	ppm	0.3	2.1	2.6	4.4	1.9	2.4	2.8	1.9	3.8	5.7
Geosmin	ppt (ng/L)	5	ND	ND	ND	ND	ND	6.60	ND	ND	ND
Magnesium	ppm	3	15.7	21.4	32.1	13.0	19.4	27.1	18.5	25.4	31.4
Non-Carb-Hardness	ppm	---	49.0	115	164	49.9	108	148	81.0	109	145
Total Phosphorus	ppb	12.5	17	33	116	20	26	37	14	27	74
Potassium	ppm	0.5	3.68	4.34	5.14	3.12	3.99	4.62	3.93	5.26	6.14
Ryzner Aggressive Index	---	---	6.93	7.40	8.49	7.00	7.87	11.9	6.87	7.23	7.78
Silica	ppm	0.625	7.18	8.77	11.6	7.39	8.34	9.60	5.71	7.26	8.68
SUVA*	L/mg-m	---	1.3	1.6	2.0	1.2	1.5	1.9	1.2	1.5	1.8
Total Nitrogen	ppm	0.156	0.69	1.03	1.53	0.64	0.83	1.01	0.65	0.94	1.25

* Results from untreated water