

TABLE 6 - Additional Physical, Mineral, and Metal Characteristics

2010 BY WATER TREATMENT PLANT

ANALYTE	Alvarado Treatment Plant			Miramar Treatment Plant			Otay Treatment Plant			Units
	MIN	AVG	MAX	MIN	AVG	MAX	MIN	AVG	MAX	
Aggressive Index	12.0	12.4	12.7	11.9	12.3	12.7	11.6	12.4	13.1	---
Alkalinity - Total as CaCO ₃	101	114	132	99	107	123	91	114	124	ppm
Ammonia as Nitrogen	0.39	0.59	0.82	0.13	0.56	0.97	< 0.03	0.36	0.65	ppm
Bicarbonate	123	139	161	120	130	150	110	138	151	ppm
Bromide	ND	ND	0.138	ND	ND	0.118	ND	ND	0.120	ppm
Calcium	47.2	57.8	68.0	49.2	60.5	74.8	51.2	58.0	70.4	ppm
Calcium Hardness	118	145	170	123	151	187	128	145	176	ppm
Carbonate	0	0	0	0	0	0	0	0	0	ppm
Cryptosporidium (untreated)	ND	ND	ND	ND	ND	ND	ND	ND	1 *	Oocysts / L
Geosmin	ND	ND	9.72	ND	ND	ND	ND	ND	ND	ppt
Giardia (untreated)	ND	ND	ND	ND	ND	ND	ND	ND	1	Cysts / L
Langlier Index	0.26	0.60	0.87	0.14	0.52	0.85	-0.22	0.60	1.27	---
Magnesium	19.4	23.0	26.6	19.9	22.9	27.1	20.6	25.6	30.0	ppm
MIB	ND	ND	ND	ND	ND	ND	ND	ND	8.0	ppt
Nitrite as Nitrogen	<400	<400	<400	<400	<400	<400	<400	<400	<400	ppb
Non-Carb_Hard	98	127	171	107	140	174	113	138	158	ppm
pH	7.94	8.23	8.49	7.86	8.16	8.37	7.53	8.23	8.87	pH
Potassium	4.02	4.44	5.12	3.78	4.27	5.01	3.81	4.80	5.69	ppm
Ryzner Aggressive Index	6.75	7.03	7.5	6.67	7.13	7.58	6.33	7.03	7.97	---
Silica	7.5	9.0	11.6	6.4	7.3	9.3	5.2	6.6	7.8	ppm
SUVA*	1.3	1.5	1.7	1.2	1.3	1.5	1.4	1.6	1.7	L/mg-m
Total Nitrogen	0.55	0.68	0.84	0.49	0.59	0.80	<0.16	0.46	0.74	ppm

* Results from untreated water