

**Water Quality Chemistry Services  
 2025 ADDITIONAL 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	5.0	ND	ND	6.7	ND	ND	ND	ND	ND	ND
Aggressive Index	---	N/A	12.2	12.5	12.8	12.2	12.5	12.8	12.0	12.2	12.5
Ammonia (as Nitrogen)	ppm	0.0738	0.335	0.616	0.779	0.301	0.606	0.852	0.292	0.617	0.845
Bicarbonate	ppm	N/A	132	144	158	117	134	153	123	150	189
Bromide	ppm	0.04	ND	0.09	0.12	ND	0.05	0.09	0.11	0.16	0.25
Calcium	ppm	1.0	48.4	57.0	65.7	46.0	59.3	71.8	44.6	54.0	63.1
Calcium Hardness	ppm	10	120	142	164	115	149	179	111	136	158
Carbonate	ppm	N/A	0	0.2	2.0	0	0.2	1.8	0	0	0
Dissolved Organic Carbon (DOC) <sup>^</sup>	ppm	0.7	2.7	3.2	4.2	2.3	2.7	3.2	2.8	3.8	6.9
Geosmin	ppt	5	ND	ND	ND	ND	ND	ND	ND	ND	12.8
Heterotrophic Bacteria (HPC)	CFU/mL	N/A	<1	<1	1	<1	2	2	<1	<1	<1
Langelier Index (LSI)	LANG	N/A	0.5	0.7	1.0	0.4	0.7	1.0	0.2	0.4	0.7
Magnesium	ppm	0.5	20.0	23.1	25.8	19.8	22.3	25.7	21.7	25.8	30.7
Non-Carb-Hardness	ppm	N/A	95.2	107	115	93.7	106	125	93.7	103	112
Potassium	ppm	0.5	4.0	4.8	5.4	4.1	4.6	5.3	4.2	4.8	5.4
Ryzner Stability Index	---	N/A	6.5	6.9	7.2	6.8	7.0	7.3	7.1	7.3	7.5
Silica	ppm	0.625	6.8	9.3	13.2	6.7	8.4	10.0	5.4	7.9	10.3
SUVA <sup>^</sup>	L/mg-m	N/A	1.3	1.5	1.5	1.4	1.5	1.7	1.2	1.4	1.6
Total Dissolved Solids	ppm	10	434	532	590	474	533	611	508	585	634
Total Organic Carbon	ppm	0.7	2.4	2.9	3.5	2.0	2.4	2.8	3.1	4.3	6.1

<sup>^</sup> Results from untreated water

- AVG - Average annual value
- CSD - City of San Diego
- MAX - Maximum annual value
- MDL - Method Detection Limit
- MIN - Minimum annual value
- MRL - Minimum Reporting Level