



**Monthly Complete Report**  
 Miramar/Alvarado/Otay Filtration Plants  
 September 2022

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.25	8.16	8.21	pH	
Conductivity	976	980	1,050	µmho/cm	
Total Alkalinity	131	133	127	mg/L	20
Total Dissolved Solids	621	605	645	mg/L	10
Total Hardness	263	264	263	mg/L	10
Calcium Hardness	164	162	154	mg/L	10
Carbonate	3.22	4.21	2.64	mg/L	
Bicarbonate	153	153	149	mg/L	
Turbidity	0.07	0.10	0.09	ntu	0.041
Color	ND	ND	ND	color	1
Bromide	ND	ND	0.11	mg/L	0.1
Chloride	106	109	144	mg/L	0.5
Fluoride	0.309	0.648	0.635	mg/L	0.02
Nitrate (as N)	0.175	0.190	0.180	mg/L	
Ortho Phosphate	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.675	0.227	0.862	mg/L	0.156
Silica	7.83	8.27	6.54	mg/L	0.625
Sulfate	209	200	190	mg/L	0.5
Aluminum	ND	ND	ND	µg/L	5
Calcium	65.6	64.6	61.6	mg/L	
Copper	1.1	4.88	1.3	µg/L	1
Iron	ND	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	0.5
Manganese	1.16	3.92	ND	µg/L	0.5
Magnesium	24.2	24.9	27.0	mg/L	3
Potassium	5.12	5.34	5.45	mg/L	0.5
Sodium	95.5	98.5	113	mg/L	20
Zinc	10.9	7.66	5.8	µg/L	5
Aggressive Index	12.5	12.4	12.5	.	
Langlier Index	0.73	0.64	0.65	.	
Total Organic Carbon	2.3	2.49	3.01	mg/L	0.3
Total THMs	27.7	20.6	26.00	µg/L	0.4
HAA5	6.52	ND	ND	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.252	mg/L	0.02
Chlorate	---	---	0.202	mg/L	0.02
Perchlorate	---	---	---	µg/L	2

Note: Color and Total Nitrogen are non-ELAP certified methods, yet these non-regulatory analysis fulfill our quality control requirements.

< = Less than

ND = Not Detected

--- = Not Sampled, Not Needed

MDL= Minimum Detection Limit