

Monthly Complete Report
 Miramar/Alvarado/Otay Filtration Plants
 March 2023

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.12	8.01	8.21	pH	
Conductivity	917	820	978	µmho/cm	
Total Alkalinity	123	122	122	mg/L	20
Total Dissolved Solids	630	552	648	mg/L	10
Total Hardness	295	267	272	mg/L	10
Calcium Hardness	178	154	148	mg/L	10
Carbonate	0	0	0	mg/L	
Bicarbonate	150	148	148	mg/L	
Turbidity	0.06	0.08	0.08	ntu	0.041
Color	ND	ND	1	color	1
Bromide	ND	ND	0.133	mg/L	0.1
Chloride	114	106	170	mg/L	0.5
Fluoride	0.659	0.622	0.668	mg/L	0.02
Nitrate	0.790	1.03	1.27	mg/L	0.40
Nitrate (as N)	0.179	0.233	0.287	mg/L	
Ortho Phosphate	NR	NR	NR	mg/L	0.1
Total Nitrogen	NR	NR	NR	mg/L	0.156
Silica	8.41	10.1	6.79	mg/L	0.625
Sulfate	224	177	169	mg/L	0.5
Aluminum	ND	ND	ND	µg/L	5
Calcium	71.2	61.6	59.2	mg/L	
Copper	1.36	3.88	1.78	µg/L	1
Iron	ND	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	0.5
Manganese	0.673	5.59	ND	µg/L	0.5
Magnesium	26.8	26.0	28.5	mg/L	3
Potassium	5.06	5.05	5.36	mg/L	0.5
Sodium	99.2	85.5	116	mg/L	20
Zinc	ND	ND	ND	µg/L	5
Aggressive Index	12.4	12.2	12.4	.	
Langlier Index	0.60	0.44	0.62	.	
Total Organic Carbon	2.52	4.40	4.34	mg/L	0.3
Total THMs	16.6	17.8	33.5	µg/L	0.4
HAA5	NA	NA	NA	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.426	mg/L	0.02
Chlorate	---	---	0.141	mg/L	0.02
Perchlorate	---	---	---	µg/L	2

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

< = Less than

ND = Not Detected

--- = Not Sampled, Not Needed

MDL= Minimum Detection Limit

NR= Not Reportable-QC Out of acceptable criteria.

NA = Not Analyzed

NS= Not Sampled