



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

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.24	8.11	8.03	pH	
Conductivity	925	453	1,030	µmho/cm	
Total Alkalinity	130	130	133	mg/L	20
Total Dissolved Solids	620	594	655	mg/L	10
Total Hardness	292	270	280	mg/L	10
Calcium Hardness	177	155	158	mg/L	10
Carbonate	1.43	0	0	mg/L	
Bicarbonate	155	158	162	mg/L	
Turbidity	0.07	0.06	0.06	ntu	0.041
Color	ND	ND	1	color	1
Bromide	ND	ND	0.17	mg/L	0.1
Chloride	119	112	196	mg/L	0.5
Fluoride	0.734	0.673	0.793	mg/L	0.02
Nitrate	0.839	0.755	1.19	mg/L	0.40
Nitrate (as N)	0.190	0.171	0.269	mg/L	
Ortho Phosphate	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.741	0.882	0.944	mg/L	0.156
Silica	8.70	8.41	6.39	mg/L	0.625
Sulfate	237	188	229	mg/L	0.5
Aluminum	ND	12.4	ND	µg/L	5
Calcium	70.8	62	63.2	mg/L	
Copper	1.06	1.48	1.27	µg/L	1
Iron	ND	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	0.5
Manganese	2.52	6.47	ND	µg/L	0.5
Magnesium	26.5	26.4	28.2	mg/L	3
Potassium	4.91	5.39	5.2	mg/L	0.5
Sodium	97.1	96.2	116	mg/L	20
Zinc	ND	ND	ND	µg/L	5
Aggressive Index	12.6	12.4	12.3	.	
Langlier Index	0.75	0.57	0.49	.	
Total Organic Carbon	2.37	2.80	3.55	mg/L	0.3
Total THMs	20.2	12.8	32.4	µg/L	0.4
HAA5	ND	ND	6.84	µg/L	1
Bromate	ND	5.84	---	µg/L	5
Chlorite	---	---	0.152	mg/L	0.02
Chlorate	---	---	0.179	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

NA = Not Analyzed

NS= Not Sampled