

Monthly Complete Report

Miramar/Alvarado/Otay Filtration Plants

August 2022

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.14	8.14	8.14	pH	
Conductivity	951	950	1,050	µmho/cm	
Total Alkalinity	129	134	126	mg/L	20
Total Dissolved Solids	633	620	670	mg/L	10
Total Hardness	253	248	246	mg/L	10
Calcium Hardness	159	152	143	mg/L	10
Carbonate	2.81	3.64	0	mg/L	
Bicarbonate	151	156	153	mg/L	
Turbidity	0.09	0.12	0.09	ntu	0.05
Color	ND	1	2	color	1
Bromide	ND	ND	0.128	mg/L	0.1
Chloride	105	110	154	mg/L	0.5
Fluoride	0.658	0.302	0.6	mg/L	0.02
Nitrate (as N)	0.118	0.141	0.129	mg/L	
Ortho Phosphate*	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.544	0.705	0.573	mg/L	0.156
Silica	7.44	7.61	5.48	mg/L	0.625
Sulfate	211	198	185	mg/L	0.5
Aluminum	ND	ND	ND	µg/L	5
Calcium	63.6	60.8	57.2	mg/L	
Copper	ND	ND	ND	µg/L	1
Iron	NS	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	0.5
Manganese	ND	3.15	ND	µg/L	0.5
Magnesium	22.5	24.3	26.4	mg/L	3
Potassium	NS	5.51	5.09	mg/L	0.5
Sodium	NS	97.9	116	mg/L	20
Zinc	ND	ND	ND	µg/L	5
Aggressive Index	12.4	12.4	12.3	.	
Langlier Index	0.6	0.6	0.54	.	
Total Organic Carbon	2.42	2.66	3.70	mg/L	0.3
Total THMs	28.0	22.9	31.0	µg/L	0.4
HAA5	ND	ND	6.32	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.108	mg/L	0.02
Chlorate	---	---	0.249	mg/L	0.02
Perchlorate	ND	ND	ND	µg/L	2

*Samples for O-Phosphate were analyzed past holding time. Results were not affected and are here for information only.

< = Less than

ND = Not Detected

--- = Not Sampled, Not Needed

MDL= Minimum Detection Limit

NR= Not Reportable

NA = Not Analyzed due to Instrument issues.

NS= Not Sampled