

Monthly Complete Report

Miramar/Alvarado/Otay Filtration Plants

June 2022

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.26	8.18	8.05	pH	
Conductivity	944	925	1,060	µmho/cm	
Total Alkalinity	129	128	130	mg/L	20
Total Dissolved Solids	600	596	650	mg/L	10
Total Hardness	276	265	267	mg/L	10
Calcium Hardness	169	158	152	mg/L	10
Carbonate	2.09	0	0	mg/L	
Bicarbonate	153	156	158	mg/L	
Turbidity	0.05	0.08	0.08	ntu	0.05
Color	1	ND	1	color	1
Bromide	ND	ND	ND	mg/L	0.1
Chloride	108	115	166	mg/L	0.5
Fluoride	0.678	0.65	0.657	mg/L	0.02
Nitrate	0.45	0.731	0.478	mg/L	0.40
Nitrate (as N)	0.101	0.165	0.108	mg/L	
Ortho Phosphate	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.672	0.875	0.807	mg/L	0.156
Silica	6.48	7.35	4.21	mg/L	0.625
Sulfate	211	199	174	mg/L	0.5
Aluminum	ND	ND	ND	µg/L	5
Calcium	67.6	63.2	60.8	mg/L	
Copper	1.2	3.14	1.35	µg/L	1
Iron	ND	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	0.5
Manganese	3.66	3.73	0.626	µg/L	0.5
Magnesium	25.6	25.6	27.6	mg/L	3
Potassium	5.31	5.63	5.75	mg/L	0.5
Sodium	97	99.3	121	mg/L	20
Zinc	ND	ND	5.63	µg/L	5
Aggressive Index	12.5	12.4	12.3	.	
Langlier Index	0.75	0.64	0.49	.	
Total Organic Carbon	2.83	2.66	3.92	mg/L	0.3
Total THMs	12.3	13.7	55.1	µg/L	0.4
HAA5	NA	NA	NA	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.322	mg/L	0.02
Chlorate	---	---	0.200	mg/L	0.02
Perchlorate	2.83	ND	ND	µg/L	2

< = Less than

ND = Not Detected

--- = Not Sampled

NR= Not Reportable

NA = Not Analyzed due to Instrument issues.

MDL= Minimum Detection Limit