

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

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.03	7.99	7.86	pH	
Conductivity	887	890	903	µmho/cm	
Total Alkalinity	116	118	105	mg/L	20
Total Dissolved Solids	577	571	576	mg/L	10
Total Hardness	221	207	216	mg/L	10
Calcium Hardness	134	120	135	mg/L	10
Carbonate	4.13	3.52	2.9	mg/L	
Bicarbonate	133	136	122	mg/L	
Turbidity	0.08	0.09	ND	ntu	0.05
Color	ND	ND	ND	color	1
Bromide	ND	ND	ND	mg/L	0.1
Chloride	113	121	126	mg/L	0.5
Fluoride	0.753	0.702	0.837	mg/L	0.02
Nitrate	ND	0.500	0.747	mg/L	0.40
Nitrate (as N)	ND	0.113	0.169	mg/L	
Ortho Phosphate	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.601	0.684	0.725	mg/L	0.156
Silica	3.88	6.47	2.67	mg/L	0.625
Sulfate	207	196	203	mg/L	0.5
Aluminum	9.27	ND	ND	µg/L	5
Calcium	53.6	48	54	mg/L	
Copper	1.3	3.08	1.21	µg/L	1
Iron	ND	ND	ND	µg/L	100
Lead	nd	ND	ND	µg/L	0.5
Manganese	8.8	2.78	ND	µg/L	0.5
Magnesium	21.6	22.7	20.7	mg/L	3
Potassium	4.71	5.42	4.71	mg/L	0.5
Sodium	87.8	94.5	93.9	mg/L	20
Zinc	ND	ND	ND	µg/L	5
Aggressive Index	12.2	12.1	12	.	
Langlier Index	0.38	0.3	0.17	.	
Total Organic Carbon	2.52	2.95	2.01	mg/L	0.3
Total THMs	28.3	25.3	25.8	µg/L	0.4
HAA5	7.05	3.92	1.27	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.237	mg/L	0.02
Chlorate	---	---	0.133	mg/L	0.02
Perchlorate	---	---	---	µg/L	2

< = Less than  
 ND = Not Detected  
 --- = Not Sampled  
 NR= Not Reportable  
 NA = Not Analyzed  
 MDL= Minimum Detection Limit