

## Monthly Complete Report

### Miramar/Alvarado/Otay Filtration Plants

### November 2022

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.22	8.1	7.89	pH	
Conductivity	962	909	1,080	µmho/cm	
Total Alkalinity	130	129	130	mg/L	20
Total Dissolved Solids	624	570	652	mg/L	10
Total Hardness	283	252	268	mg/L	10
Calcium Hardness	176	145	144	mg/L	10
Carbonate	2.96	0.888	0.804	mg/L	
Bicarbonate	151	155	156	mg/L	
Turbidity	0.07	0.07	0.07	ntu	0.041
Color	ND	ND	1	color	1
Bromide	ND	ND	0.209	mg/L	0.1
Chloride	108	112	190	mg/L	0.5
Fluoride	0.699	0.7	0.754	mg/L	0.02
Nitrate	0.953	0.828	0.864	mg/L	0.40
Nitrate (as N)	0.215	0.187	0.195	mg/L	
Ortho Phosphate	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.721	0.838	0.861	mg/L	0.156
Silica	8.36	8.21	5.41	mg/L	0.625
Sulfate	219	185	183	mg/L	0.5
Aluminum	ND	ND	ND	µg/L	15
Calcium	70.4	58	57.6	mg/L	
Copper	ND	ND	ND	µg/L	5
Iron	ND	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	2.0
Manganese	2.26	4.98	ND	µg/L	2.0
Magnesium	24.8	24.8	29.0	mg/L	3
Potassium	5.03	5.46	5.57	mg/L	0.5
Sodium	99.3	97.45	125	mg/L	20
Zinc	ND	ND	ND	µg/L	15
Aggressive Index	12.5	12.3	12.1	.	
Langlier Index	0.73	0.53	0.31	.	
Total Organic Carbon	2.62	2.63	2.03	mg/L	0.3
Total THMs	18.6	9.31	41.8	µg/L	0.4
HAA5	NR	NR	NR	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.233	mg/L	0.02
Chlorate	---	---	0.183	mg/L	0.02
Perchlorate	ND	ND	ND	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