



## Monthly Complete Report

### Miramar/Alvarado/Otay Filtration Plants

### October 2022

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.21	8.13	8.01	pH	
Conductivity	1,010	1,000	1,100	µmho/cm	
Total Alkalinity	130	131	127	mg/L	20
Total Dissolved Solids	618	618	654	mg/L	10
Total Hardness	280	275	271	mg/L	10
Calcium Hardness	173	166	150	mg/L	10
Carbonate	3.98	2.28	1.55	mg/L	
Bicarbonate	150	155	151	mg/L	
Turbidity	0.09	0.10	0.08	ntu	0.041
Color	ND	ND	1	color	1
Bromide	ND	ND	0.17	mg/L	0.1
Chloride	114	116	172	mg/L	0.5
Fluoride	0.69	0.73	0.76	mg/L	0.02
Nitrate (as N)	ND	ND	ND	mg/L	0.4
Ortho Phosphate	NR	NR	NR	mg/L	0.1
Total Nitrogen	0.719	0.764	0.637	mg/L	0.156
Silica	7.35	8.255	5.81	mg/L	0.625
Sulfate	218	209	196	mg/L	0.5
Aluminum	*	*	*	µg/L	5
Calcium	69.2	66.4	60	mg/L	
Copper	*	*	*	µg/L	1
Iron	ND	ND	ND	µg/L	100
Lead	*	*	*	µg/L	0.5
Manganese	*	*	*	µg/L	0.5
Magnesium	25.4	26.0	28.3	mg/L	3
Potassium	5.00	5.20	5.41	mg/L	0.5
Sodium	95.8	97.6	117	mg/L	20
Zinc	*	*	*	µg/L	5
Aggressive Index	12.5	12.4	12.2	.	
Langlier Index	0.71	0.62	0.44	.	
Total Organic Carbon	2.3	2.59	3.60	mg/L	0.3
Total THMs	27	20.4	31.2	µg/L	0.4
HAA5	NR	NR	NR	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.256	mg/L	0.02
Chlorate	---	---	0.207	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  
 NR= Not Reportable. QC fell outside acceptable limits.  
 \*Metals analysis not performed due to instrument issues. To be analyzed later.

--- = Not Sampled, Not Needed  
 MDL= Minimum Detection Limit