



Monthly Complete Report
 Miramar/Alvarado/Otay Filtration Plants
 July 2022

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	8.19	8.08	7.88	pH	
Conductivity	NR	NR	NR	µmho/cm	
Total Alkalinity	NR	NR	NR	mg/L	20
Total Dissolved Solids	605	603	644	mg/L	10
Total Hardness	280	275	270	mg/L	10
Calcium Hardness	172	167	150	mg/L	10
Carbonate	NR	NR	NR	mg/L	
Bicarbonate	NR	NR	NR	mg/L	
Turbidity	NS	0.068	0.057	ntu	0.05
Color	ND	ND	ND	color	1
Bromide	ND	ND	ND	mg/L	0.1
Chloride	107	107	166	mg/L	0.5
Fluoride	0.314	0.679	0.62	mg/L	0.02
Nitrate	0.683	0.835	0.465	mg/L	0.40
Nitrate (as N)	0.169	0.211	0.135	mg/L	
Ortho Phosphate	ND	ND	ND	mg/L	0.1
Total Nitrogen	0.685	0.795	0.873	mg/L	0.156
Silica	7.19	7.59	5	mg/L	0.625
Sulfate	217	211	181	mg/L	0.5
Aluminum	ND	ND	ND	µg/L	5
Calcium	68.8	66.8	60	mg/L	
Copper	1.08	4	1.24	µg/L	1
Iron	NS	ND	ND	µg/L	100
Lead	ND	ND	ND	µg/L	0.5
Manganese	3.22	1.95	ND	µg/L	0.5
Magnesium	25.9	25.3	28.16	mg/L	3
Potassium	NS	5.36	5.8	mg/L	0.5
Sodium	NS	96	120.5	mg/L	20
Zinc	ND	ND	5.32	µg/L	5
Aggressive Index	12.5	12.4	12.3	.	
Langlier Index	0.75	0.64	0.49	.	
Total Organic Carbon	2.21	2.22	3.82	mg/L	0.3
Total THMs	35.6	29.2	38	µg/L	0.4
HAA5	NA	NA	NA	µg/L	1
Bromate	ND	ND	---	µg/L	5
Chlorite	---	---	0.324	mg/L	0.02
Chlorate	---	---	0.189	mg/L	0.02
Perchlorate	---	---	---	µg/L	2

< = 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