City of San Diego

Environmental Monitoring and Technical Services Division

Water Quality Chemistry Services

Monthly Complete Report

Sample Date:01-Dec-2014 to 23-Dec-2014

Analyte	Miramar Effluent	Alvarado Effluent	Otay Effluent	Units	MDL
pH	7.94	7.95	8.01	pH	
Conductivity	934	914	1040	µmho/cm	
Total Alkalinity	121	125	124	mg/L	10.0
Total Dissolved Solids	580	529	620	mg/L	10.0
Total Hardness	282	241	286	mg/L	10.0
Calcium Hardness	170	144	179	mg/L	10.0
Carbonate	0	0	0.0	mg/L	
Bicarbonate	147	153	151	mg/L	
Turbidity	0.09	0.08	ND	ntu	0.07
Color	ND	ND	ND	color	1
Bromide	ND	ND	ND	mg/L	0.100
Chloride	98.8	94.8	97	mg/L	0.500
Fluoride	0.738	0.614	0.549	mg/L	0.020
Nitrate	0.509	0.416	0.660	mg/L	0.400
Ortho Phosphates	ND	ND	ND	mg/L	0.200
Total Nitrogen	0.638	0.676	0.631	mg/L	0.156
Silica	9.12	8.11	9.12	mg/L	0.625
Sulfate	215	169	219	mg/L	0.500
Aluminum	ND	ND	ND	µg/L	5
Calcium	68.0	57.6	71.6	mg/L	
Copper	1.88	2.82	1.34	µg/L	1
Iron	ND	ND	ND	µg/L	50
Lead	ND	ND	ND	µg/L	0.5
Manganese	1.03	5.43	ND	µg/L	0.5
Magnesium	26.8	23.2	25.6	mg/L	
Potassium	4.82	4.16	4.84	mg/L	0.5
Sodium	92.4	77.1	91.7	mg/L	20
Zinc	NS	ND	ND	µg/L	5
Aggressive Index	12.2	12.2	12.3	.	
Langlier Index	0.41	0.37	0.51	.	
Total Organic Carbon	2.45	2.85	2.15	mg/L	0.300
Total THMs	30.4	27.8	26.1	µg/L	
HAAS	12.5	6.32	NS	µg/L	
Bromate	NS	ND	NS	µg/L	5.00
Chlorite	NS	NS	0.055	mg/L	0.020
Chlorate	NS	NS	0.094	mg/L	0.020
Perchlorate	NS	NS	NS	µg/L	4.00

< = Less than

ND = Not Detected

NS = Not Sampled

NA = Not Analyzed

NR = Data not reportable

MDL= Minimum Detection Limit