

COVINA IRRIGATING COMPANY

146 E. College St. P.O. Box 306 Covina, Calif. 91723

Office: 626.332.1502 - Fax: 626.967.5942

2019 ANNUAL WATER QUALITY REPORT

PARAMETER	UNITS	MCL [MRDL]	PHG (MCLG) [MRDLG]	SURFACE WATER		GROUND WATER	
				RANGE	AVERAGE	RANGE	AVERAGE
PRIMARY STANDARDS - Mandatory Health Related Standards Established By The State Of California, D.D.W.							
<u>CLARITY</u>							
Effluent Turbidity	NTU	0.3	N/A	.07 - .12	0.09	ND	ND
<u>MICROBIOLOGICAL</u>							
Total Coliform Bacteria	% Test	5	(0)	ND	ND	ND	ND
Fecal Coliform Bacteria	Positive	0	(0)	ND	ND	ND	ND
<u>DISINFECTANT RESIDUALS</u>							
Free Chlorine Residual	ppm	[4]	[4]	N/A	N/A	1.2 - 1.8	1.3
Total Chlorine Residual	ppm	[4]	[4]	2.93 - 3.07	3.0	2.6 - 3.2	2.9
<u>DISINFECTANT BY-PRODUCTS</u>							
Total Trihalomethanes (TTHM)	ppb	80	N/A	19 - 62	30	1.1 - 8.5	3.2
Total Haloacetic Acids (HAA5)	ppb	60	N/A	ND - 8.5	12.1	ND	ND
<u>ORGANIC CHEMICALS</u>							
Total Organic Carbon (TOC)	ppm	N/A	N/A	1.8 - 3.1	2.3	ND	ND
Trichloroethylene (TCE)	ppb	5	1.7	ND	ND	ND	ND
Tetrachloroethylene (PCE)	ppb	5	0.06	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	ppb	13	13	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	ppb	150	1300	ND	ND	ND	ND
1,1 Dichloroethylene (DCE)	ppb	6	10	ND	ND	ND	ND
1,2,3 Trichloropropane (TCP)	ppt	5		ND	ND	ND	ND
(all other VOC's monitored)	ppb			ND	ND	ND	ND
Atrazine	ppb	1	0.15	ND	ND	ND	ND
Chlordane	ppt	100	30	ND	ND	ND	ND
2,3,7,8-TCDD (Dioxin)	ppq	30	0.05	ND	ND	ND	ND
Diquat	ppb	20	15	ND	ND	ND	ND
Simazine	ppb	4	4	ND	ND	ND	ND
Thiobencarb	ppb	70	70	ND	ND	ND	ND
<u>INORGANIC CHEMICALS</u>							
Aluminum (Al)	ppb	1000	600	31 - 110	63	ND	ND
Antimony	ppb	6	20	ND	ND	ND	ND
Arsenic (As)	ppb	10	0.004	0.5 - 2.6	1.8	2.2 - 4.0	3.2
Asbestos	MFL	7	7	ND	ND	ND	ND
Barium (Ba)	ppb	1000	2000	ND	ND	ND - 140	<100
Beryllium	ppb	4	1	ND	ND	ND	ND
Cadmium (Cd)	ppb	5	.04	ND	ND	ND	ND
Chromium (Total Cr)	ppb	50	(100)	ND	ND	ND	ND
Chromium VI	ppb	NA	0.02	ND	ND	ND	ND
Cyanide	ppb	150	150	ND	ND	ND	ND
Fluoride (Dependant On Temp. *F)	ppm	2	1	.17 - .19	0.18	0.34	0.34
Lead (Pb)	ppb	AL = 15	0.2	ND	ND	ND	ND
Mercury (Hg)	ppb	2	1.2	ND	ND	ND	ND
Nickel	ppb	100	12	ND	ND	ND	ND
Nitrate (as N)	ppm	10	10	.22 - .60	0.41	3.2 - 5.7	4.60
Nitrite (as N)	ppm	1	1	ND	ND	ND	ND
Perchlorate	ppb	6	1	ND	ND	2.0 - 2.8	2.3
Selenium (Se)	ppb	50	30	ND	ND	ND	ND
Thallium	ppb	2	0.1	ND	ND	ND	ND

COVINA IRRIGATING COMPANY

2019 ANNUAL WATER QUALITY REPORT (continued)

PARAMETER	UNITS	MCL [MRDL]	PHG (MCLG) [MRDLG]	SURFACE WATER		GROUND WATER	
				RANGE	AVERAGE	RANGE	AVERAGE
PRIMARY STANDARDS - Mandatory Health Related Standards Established By The State Of California, D.D.W. (Con't)							
RADIOLOGICALS							
Gross Alpha Activity	pCi/l	15	(0)	3.2	3.2	ND	ND
Gross Beta Activity	pCi/l	50	(0)	ND	ND	NR	NR
Tritium	pCi/l	20000	400	ND	ND	NR	NR
Strontium-90	pCi/l	8	0.35	ND	ND	NR	NR
Radium-226 & 228 Combined	pCi/l	5	(0)	ND	ND	ND	ND
Uranium	pCi/l	20	0.43	1.7	1.7	ND	ND
SECONDARY STANDARDS - Aesthetic Standards Established By The State Of California, D.D.W.							
Color	Units	15	N/A	ND	ND	ND	ND
Odor - Threshold (at 60 F)	Units	3	N/A	1	1	1	1
Chloride	ppm	500	N/A	37 - 44	40	37 - 47	42
Copper (Cu)	ppb	1000	300	ND	ND	ND	ND
Foaming Agents (MBAS)	ppb	500	N/A	ND	ND	ND	ND
Iron (Fe)	ppb	300	N/A	ND	ND	ND - 42	ND
Manganese (Mn)	ppb	50	NL = 500	ND	ND	ND	ND
Silver (Ag)	ppb	100	N/A	ND	ND	ND	ND
Sulfate (SO4)	ppm	500	N/A	15 - 31	23	29 - 47	41
Zinc (Zn)	ppm	5	N/A	ND	ND	ND	ND
Total Dissolved Solids	ppm	1000	N/A	140 - 200	170	250 - 360	330
Specific Conductance (E.C.)	umho/cm	1600	N/A	280 - 360	320	440 - 570	530
UNREGULATED CHEMICALS							
Boron	ppb	NL=1,000	N/A	76 - 110	93	110 - 130	120
Dichlorodifluoromethane (Freon 12)	ppb	NL=1,000	N/A	ND	ND	ND	ND
Ethyl tert-Butyl Ether (ETBE)	ppb	N/A	N/A	ND	ND	ND	ND
N-nitrosodimethylamine (NDMA)	ppt	NL = 10	3	ND	ND	<2	<2
tert-Amyl-methyl Ether (TAME)	ppb	N/A	N/A	ND	ND	ND	ND
tert-Butyl alcohol (TBA)	ppb	NL = 12	N/A	ND	ND	ND	ND
Vanadium	ppb	NL = 50	N/A	ND	ND	ND	ND
1,4 Dioxane	ppb	N/A	N/A	ND	ND	ND	ND
ADDITIONAL CONSTITUENTS ANALYZED							
pH	Units	N/A	N/A	8.0 - 8.1	8.0	7.6 - 7.9	7.7
Total Hardness (as CaCo3)	ppm	N/A	N/A	67 - 100	84	130 - 200	170
Total Alkalinity (as CaCo3)	ppm	N/A	N/A	82 - 86	84	120 - 170	150
Sodium (Na)	ppm	N/A	N/A	25 - 30	28	31 - 41	39
Calcium (Ca)	ppm	N/A	N/A	15 - 25	20	41 - 60	51
Potassium (K)	ppm	N/A	N/A	1.8 - 2.7	2.2	3.2 - 4.0	3.5
Magnesium (Mg)	ppm	N/A	N/A	7.4 - 9.1	8	7.2 - 11	9.6
Langlier Index at 60°C	-	N/A	N/A	0.6	0.6	0.9	0.9
KEY TO ABBREVIATIONS: SURFACE WATER = San Gabriel River, GROUND WATER = Main San Gabriel Basin							
MCL = Maximum Contaminant Level		MRDL(G) = Maximum Residual Disinfectant Level (Goal)					
MCLG = Maximum Contaminant Level Goal		ppm = parts per million		umho/cm = micromhos per cm			
AL = Action Level		ppb = parts per billion		MFL = Million fibers per liter			
ND = None Detected		ppt = parts per trillion		NTU = Nephelometric Turbidity Units			
NR = Monitoring Not Required		ppq = parts per quadrillion		NL = Notification Level			
N/A = Not Applicable		pCi/l = pico curies per liter		DDW - Division of Drinking Water			
Additional Water Quality Data May Be Obtained By Contacting: Mr. Steve Sherman - Water Quality Analyst 626.332.1502							