

**2015 Malaga County Water District  
Annual Water Quality Report**

PARAMETER	UNITS	MAXIMUM CONTAMINANT LEVEL	PUBLIC HEALTH GOAL	RANGE			AVERAGE
<b>PRIMARY STANDARDS</b>							
Mandatory Health Standards Established by the SWRCB, Division of Drinking Water							
<b>MICROBIOLOGICAL</b>	Samples	Positive					
Coliform Bacteria	36	1	N/A	<1.0	TO	1	<1.0
E. Coli	36	0	N/A	<1.0	TO	<1.1	<1.0
<b>ORGANIC CHEMICALS</b>							
Alachlor (Alanex)	mg/l	0.002	0.004	ND	TO	ND	ND
Aldicarb (Temik)	mg/l	0.002	N/A	ND	TO	ND	ND
Aldicarb Sulfone	mg/l	0.003	0.00015	-	TO	-	-
Aldicarb Sulfoxide	mg/l	0.004	0.2	-	TO	-	-
Aldrin	mg/l	N/A	N/A	-	TO	-	-
Atrazine (Aatrex)	mg/l	0.001	N/A	ND	TO	ND	ND
Bentazon (Basagran)	mg/l	0.018	N/A	ND	TO	ND	ND
Benzene	mg/l	0.001	N/A	ND	TO	ND	ND
Benzo (a) pyrene	mg/l	0.0002	N/A	ND	TO	ND	ND
bis-2-Chloroethyl (ether)	mg/l	NS	N/A	-	TO	-	-
Bromacil (Hyvar)	mg/l	NS	N/A	ND	TO	ND	ND
Bromobenzene	mg/l	NS	N/A	ND	TO	ND	ND
Bromochloromethane	mg/l	NS	N/A	ND	TO	ND	ND
Bromodichloromethane	mg/l	NS	N/A	ND	TO	ND	ND
Bromoform	mg/l	NS	N/A	ND	TO	ND	ND
Bromomethane (Methyl Bromide)	mg/l	NS	N/A	ND	TO	ND	ND
Butachlor	mg/l	N/A	N/A	-	TO	-	-
n-Butylbenzene	mg/l	NS	N/A	ND	TO	ND	ND
sec-Butylbenzene	mg/l	NS	N/A	ND	TO	ND	ND
tert-Butylbenzene	mg/l	NS	N/A	ND	TO	ND	ND
Carbaryl (Sevin)	mg/l	N/A	N/A	-	TO	-	-
Carbofuran (Furadan)	mg/l	0.018	0.4	ND	TO	ND	ND
Carbon Tetrachloride	mg/l	0.0005	N/A	ND	TO	ND	ND
Chlordane	mg/l	0.0001	0.00003	ND	TO	ND	ND
Chloroethane	mg/l	NS	N/A	ND	TO	ND	ND
Chloroform (Trichloromethane)	mg/l	NS	N/A	ND	TO	ND	ND
Chloromethane (Methyl Chloride)	mg/l	NS	N/A	ND	TO	ND	ND
2-Chlorotoluene	mg/l	NS	N/A	ND	TO	ND	ND
4-Chlorotoluene	mg/l	NS	N/A	ND	TO	ND	ND
2, 4-D	mg/l	0.07	0.07	ND	TO	ND	ND
Chlorothalonil (Daconil, Bravo)	mg/l	NS	N/A	-	TO	-	-
Dalapon	mg/l	0.2	0.79	-	TO	-	-
Demeton (Systox)	mg/l	N/A	N/A	-	TO	-	-
Di (2 ethylhexyl) Adipate	mg/l	0.4	N/A	-	TO	-	-
Diazanone	mg/l	NS	N/A	ND	TO	ND	ND
Dibromochloromethane	mg/l	NS	N/A	ND	TO	ND	ND
Dibromochloropropane (DBCP) * **	µg/l	0.2	N/A	ND	TO	ND	ND
Dibromomethane (methylene Bromide)	mg/l	NS	N/A	ND	TO	ND	ND
Dicamba (Banvel)	mg/l	N/A	N/A	-	TO	-	-
1, 4-Dichlorobenzene (p-DCB)	mg/l	0.005	0.006	ND	TO	ND	ND
1, 3-Dichlorobenzene (m-DCB)	mg/l	NS	N/A	ND	TO	ND	ND
1, 2-Dichlorobenzene (o-DCB)	mg/l	0.6	0.6	ND	TO	ND	ND
Dichlorodifluoromethane	mg/l	NS	N/A	ND	TO	ND	ND
1,1-Dichloroethane (1, 1-DCA)	mg/l	0.005	N/A	ND	TO	ND	ND
1,2-Dichloroethane (1, 2-DCA)	mg/l	0.0005	0.0004	ND	TO	ND	ND
1,1-Dichloroethylene (1, 1-DCE)	mg/l	0.006	0.1	ND	TO	ND	ND
cis-1, 2-Dichloroethylene (c-1, 2-DCE)	mg/l	0.006	0.07	ND	TO	ND	ND
trans-1, 2-Dichloroethylene (t-1, 2-DCE)	mg/l	0.01	0.1	ND	TO	ND	ND
1, 2-Dichloropropane (1, 2-DCP)	mg/l	0.005	0.0005	ND	TO	ND	ND
1, 3-Dichloropropane	mg/l	0.0005	N/A	ND	TO	ND	ND
2, 2-Dichloropropane	mg/l	NS	N/A	ND	TO	ND	ND
1, 1-Dichloropropene	mg/l	NS	N/A	ND	TO	ND	ND
cis-1, 3-Dichloropropene	mg/l	NS	N/A	ND	TO	ND	ND
Dichloromethane	mg/l	0.005	N/A	ND	TO	ND	ND
trans-1, 3-Dichloropropene	mg/l	NS	N/A	-	TO	-	-
total 1, 3-Dichloropropene	mg/l	0.0005	0.0002	-	TO	-	-
Dieldrin	mg/l	N/A	N/A	ND	TO	ND	ND
Diethylhexphthalate (DEHP)	mg/l	0.004	0.012	ND	TO	ND	ND
Dimethoate (Cygon)	mg/l	NS	N/A	ND	TO	ND	ND
Dinoseb (DNBP)	mg/l	0.007	0.014	ND	TO	ND	ND
Diquat	mg/l	0.02	0.02	-	TO	-	-

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<b>ORGANIC CHEMICALS (continued)</b>				ND	ND	ND
Disulfoton	mg/l	N/A	N/A	ND	TO	ND
Diuron				ND	TO	ND
Endothall	mg/l	0.1	0.58	ND	TO	ND
Endrin	mg/l	0.002	0.0018	ND	TO	ND
Ethyl Benzene	mg/l	0.3	0.3	ND	TO	ND
Ethyl tert-Butyl Ether (ETBE)				ND	TO	ND
Ethylene Dibromide (EDB)	mg/l	0.00005	N/A	ND	TO	ND
Glyphosate	mg/l	0.7	1	ND	TO	ND
Heptachlor	mg/l	0.00001	0.000008	ND	TO	ND
Heptachlor epoxide	mg/l	0.00001	0.000006	ND	TO	ND
Hexachlorobenzene	mg/l	0.001	N/A	ND	TO	ND
Hexachlorobutadiene	mg/l	NS	N/A	ND	TO	ND
Hexachlorocyclopentadiene	mg/l	0.05	0.05	ND	TO	ND
3-Hydroxycarbofuran	mg/l	0.018	N/A	ND	TO	ND
Isopropylbenzene (Cumene)	mg/l	NS	N/A	ND	TO	ND
p-Isopropyltoluene	mg/l	NS	N/A	ND	TO	ND
Lindane (Gamma BHC)	mg/l	0.0002	0.000032	ND	TO	ND
Methomyl	mg/l	N/A	N/A	ND	TO	ND
Methoxychlor	mg/l	0.03	0.03	ND	TO	ND
Metolachlor	mg/l	N/A	N/A	ND	TO	ND
Metribuzin	mg/l	N/A	N/A	ND	TO	ND
Methylene chloride (Dichloromethane)	mg/l	0.005	N/A	ND	TO	ND
Molinate (Ordram)	mg/l	0.02	N/A	ND	TO	ND
Monochlorobenzene (Chlorobenzene)	mg/l	0.07	0.1	ND	TO	ND
Napthalene	mg/l	NS	N/A	ND	TO	ND
Oxamyl (Vydate)	mg/l	0.05	0.05	ND	TO	ND
Pentachlorophenol (PCP)	mg/l	0.001	0.0004	ND	TO	ND
Picloram	mg/l	0.5	0.5	ND	TO	ND
Polychlorinated Biphenyls (Total PCB's)	mg/l	0.0005	N/A	ND	TO	ND
Propachlor	mg/l	N/A	N/A	ND	TO	ND
n-Propylbenzene	mg/l	NS	N/A	ND	TO	ND
Prometryn (Caparol)	mg/l	NS	N/A	ND	TO	ND
Simazine (Princep)	mg/l	0.004	0.004	ND	TO	ND
Styrene (Vinyl Benzene)	mg/l	0.1	0.1	ND	TO	ND
tert-Amyl Methyl Ether (TAME)				ND	TO	ND
1, 1, 1, 2-Tetrachloroethane	mg/l	0.001	N/A	ND	TO	ND
1, 1, 2, 2-Tetrachloroethane	mg/l	0.001	N/A	ND	TO	ND
Tetrachloroethylene (PCE)	mg/l	0.005	N/A	ND	TO	ND
Thiobencarb (Bolero)	mg/l	0.07	N/A	ND	TO	ND
Toluene	mg/l	0.15	0.15	-	TO	-
Total Organic Carbon (TOC)	mg/l	NS	N/A	-	TO	-
Total - Trihalomethanes (THM's / TTHM)	mg/l	0.1	N/A	ND	TO	ND
Toxaphene	mg/l	0.003	N/A	-	TO	-
2, 4, 5-TP (Silvex)	mg/l	0.05	0.05	ND	TO	ND
1, 2, 3-Trichlorobenzene	mg/l	NS	N/A	ND	TO	ND
1, 2, 4-Trichlorobenzene	mg/l	0.05	0.005	ND	TO	ND
1, 1, 1-Trichloroethane (1,1,1-TCA)	mg/l	0.2	0.2	ND	TO	ND
1, 1, 2-Trichloroethane (1,1,2-TCA)	mg/l	0.005	0.003	ND	TO	ND
Trichloroethylene (TCE)	mg/l	0.005	0.0008	ND	TO	ND
1,2, 3-Trichloropropane	mg/l	NS	N/A	-	TO	-
Trichlorofluoromethane (Freon 11)	mg/l	0.15	0.7	-	TO	-
Trichlorotrifluoroethane (Freon 113)	mg/l	1.2	4	ND	TO	ND
1,2, 4-Trimethylbenzene	mg/l	NS	N/A	ND	TO	ND
1,3, 5-Trimethylbenzene	mg/l	NS	N/A	ND	TO	ND
Vinyl chloride (VC)	mg/l	0.0005	N/A	-	TO	-
m, p-Xylene	mg/l	NS	N/A	-	TO	-
p-Xylene	mg/l	1.75	N/A	-	TO	-
o-Xylene	mg/l	0.012	N/A	ND	TO	ND
Total Xylenes (m,p & o)	mg/l	1.75	1.8	0	TO	0
2,4,7,8-TCDD (Dioxin)	mg/l	3x10 <sup>8</sup>	N/A			0
						0

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<b>INORGANIC CHEMICALS</b>							
Aluminum	µg/l	1000	600	1.1	TO	4.3	2.7
Antimony	µg/l	6	20	0.1	TO	0.1	0.1
Arsenic	µg/l	10	0.004	2.0	TO	3.9	3.0
Asbestos	MFL	7	7	0	TO	0	ND
Barium (Ba)	µg/l	1000	2000	0.038	TO	59.0	33.7
Beryllium	µg/l	4	1	0.0	TO	0.0	ND
Cadmium (Cd)	µg/l	5	0.04	0.0	TO	0.0	ND
Chromium (Total Cr)	µg/l	50	100	5.2	TO	5.2	5.2
Flouride (F) Temp Dependent	mg/l	2	1	0.14	TO	0.17	0.15
Hexavalent Chromium	µg/l	10	0.02	3.20	TO	4.80	4.03
Lead (Pb)	µg/l	15	0.2	0.0	TO	0.0	ND
Mercury (Hg)	µg/l	2	1.2	0.0	TO	0.0	ND
Nickel (Ni)	µg/l	100	12	0.4	TO	1.3	0.9
Nitrate (NO3)	mg/l	45	45	10.6	TO	16.6	12.8
Nitrite (as N)	mg/l	10	10	2.4	TO	3.7	2.9
Selenium (Se)	µg/l	50	30	0.0	TO	0.0	0.0
Silver (Ag)	µg/l	100	N/A	0.0	TO	0.0	ND
Thallium	µg/l	2	0.1	0.0	TO	0.0	ND
<b>RADIOACTIVITY</b>							
Gross Alpha	pCi/l	15	N/A	0.03	TO	0.03	0.03
Uranium	pCi/l	20	0.43	0.14	TO	0.14	0.14
Radium 228	pCi/l	5	N/A	0.08	TO	0.63	0.36
<b>SECONDARY STANDARDS</b>							
Aesthetic Standards Established by the SWRCB, Division of Drinking Water							
Apparent Color (Unfiltered)	Units	15	N/A	0	TO	0	ND
Chloride (Cl)	mg/l	500	N/A	7	TO	14	10
Copper (Cu)	µg/l	1000	N/A	0.9	TO	1.1	1.01
Foaming Agents (MBAS)	mg/l	0.5	N/A	0	TO	0	ND
Iron (Fe)	µg/l	300	N/A	32	TO	100	63
Manganese (Mn)	µg/l	50	N/A	0	TO	0	ND
Methyl tert-Butyl Ether (MTBE)	mg/l	0.005	N/A	0	TO	0	ND
Odor Threshold at 60 °C	units	3	N/A	0	TO	0	ND
Specific Conductance (E.C.)	umhos	1600	N/A	287	TO	377	320
Sulfate (SO4)	mg/l	500	N/A	6	TO	10	7.5
Total Filterable Residue (TDS)	mg/l	500	N/A	180	TO	240	207
Turbidity, (NTU)	ntu	5	N/A	0	TO	0	0
Zinc (Zn)	µg/l	5000	N/A	0	TO	0	ND
Bicarbonate (HCO3)	mg/l	NS	N/A	60	TO	170	104
Calcium (Ca)	mg/l	NS	N/A	11	TO	24	16
Carbonate (CO3)	mg/l	NS	N/A	0	TO	0	ND
Hydroxide (OH)	mg/l	NS	N/A	0	TO	0	ND
Langelier Index at 60 C			N/A	0	TO	0	ND
Magnesium (Mg)	mg/l	NS	N/A	4	TO	12	8
pH	std	8.5	N/A	8	TO	8	8
Potassium (K)	mg/l	NS	N/A	1	TO	2	2
Sodium (Na)	mg/l	NS	N/A	32	TO	44	37
Total Alkalinity (as CaCO3)	mg/l	NS	N/A	40	TO	66	52
Total Hardness (as CaCO3)	mg/l	NS	N/A	43	TO	110	72
Boron (B)	µg/l	1000	N/A	21	TO	22	22
** Due to DBCP monitoring results that exceeded the Maximum Contaminant Level, Wells No. 3 and No. 5 were removed from active status as directed by the Department of Health Services on June 19, 2000.							

**Abbreviations & Definitions:**

NS - No standard  
 ND - Monitored but not detected  
 pCi/l - pico Curies per liter  
 PHG = Public Health Goal - The level of a contaminant below which there is no known or expected risk to health.  
 MCL = Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water.  
 Primary Drinking Water Standard - Primary MCLs, specific treatment techniques adopted in lieu of primary MCLs, and monitoring and reporting requirements for MCLs that are specified in regulations.

umhos - Micromhos  
 NTU - nephelometric turbidity unit  
 "-" - No testing completed for this constituent

mg/l - milligrams per liter  
 MFL - Million fibers per liter  
 µg/l - micrograms per liter