

Sonoma County Water Agency - Caissons 1 thru 6 - 2017 Water Quality Report

INORGANIC CHEMICALS <i>Section 64431 - Table A</i>	Units	STATE	DLR	PHG	Caisson 1	Caisson 2	Caisson 3	Caisson 4	Caisson 5	Caisson 6
		MCL		{ MCLG }	29-Aug-17	29-Aug-17	28-Aug-17	28-Aug-17	28-Aug-17	29-Aug-17
Aluminum ⁽⁶⁾	µg/L	1000	50	600	< 50	< 50	< 50	< 50	< 50	< 50
Antimony	µg/L	6	6	1	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Arsenic	µg/L	10	2	0.004	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Asbestos	MFL	7	0.2	7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Barium	µg/L	1000	100	2000	< 100	< 100	< 100	< 100	< 100	< 100
Beryllium	µg/L	4	1	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cadmium	µg/L	5	1	0.04	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chromium	µg/L	50	10	{ 100 }	< 10	< 10	< 10	< 10	< 10	< 10
Chromium, Hexavalent (CrVI)	µg/L	---	---	0.02	< 0.50	< 0.50	< 0.50	< 0.50	0.54	< 0.50
Cyanide	mg/L	0.15	0.1	0.15	< 0.0030 ⁽⁹⁾	< 0.0030 ⁽⁹⁾	< 0.0030	< 0.0030	< 0.0030	< 0.0030 ⁽⁹⁾
Fluoride (F) Natural-Source	mg/L	2.0	0.1	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Mercury	µg/L	2	1	1.2	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Nickel	µg/L	100	10	12	< 10	< 10	< 10	< 10	< 10	< 10
Nitrate (as N)	mg/L	10	0.40	10	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
Nitrate + Nitrite (as N)	mg/L	10	---	10	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
Nitrite (as N)	mg/L	1	0.40	1	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Perchlorate	µg/L	6	4	1	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Selenium	µg/L	50	5	30	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Thallium	µg/L	2	1	0.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

RADIONUCLIDE - <i>Section 64442</i>	Units	STATE	DLR	PHG	Next Complete Sampling Due 2023					
					Caisson 1	Caisson 2	Caisson 3	Caisson 4	Caisson 5	Caisson 6
Gross Alpha (4 quarterly samples every 9 years)		MCL		{ MCLG }						
11-Mar-14	pCi/L	15	3	{ 0 }	0.907 ± 1.10	0.455 ± 0.893	0.588 ± 0.977	0.936 ± 1.14	0.121 ± 0.777	0.000 ± 0.763
24-Jun-14	pCi/L	15	3	{ 0 }	0.113 ± 0.729	0.377 ± 0.854	0.047 ± 0.772	0.000 ± 0.694	0.000 ± 0.705	0.396 ± 0.944
19-Aug-14	pCi/L	15	3	{ 0 }	0.045 ± 0.740		0.000 ± 0.650		0.000 ± 0.728	
20-Aug-14	pCi/L	15	3	{ 0 }		0.277 ± 0.803		0.366 ± 0.829		1.36 ± 1.20
18-Nov-14	pCi/L	15	3	{ 0 }		0.000 ± 0.671	0.000 ± 0.749	0.380 ± 0.906	0.266 ± 0.769	0.337 ± 0.933
19-Nov-14	pCi/L	15	3	{ 0 }	0.019 ± 0.724					

⁽⁶⁾ Aluminum is listed in both the Primary (Inorganic Chemicals) and Secondary standards.

⁽⁹⁾ Cyanide resampled on 9-20-17 as the initial sample exceeded the analytical hold time requirements.