SACRAMENTO COUNTY WATER AGENCY

2017 WATER QUALITY REPORT - LAGUNA / VINEYARD / CCE / GRANTLINE 99 (See Note #1)

Established by the State Water Res	accused Occurrent		ed Standards								
	ources Control E	Board (Sta	te Board) PHG or					SURFACE W	ATER (see #2)	GROUN	DWATER
	SAMPLE		(MCLG) or					SURFACE WATER (see #2) RANGE WEIGHTED		GROUNDWATER RANGE WEIGHTED	
CONSTITUENT	DATE	UNITS	[MRDLG]	[MRDL]	MAJOR SOURCES IN DRIN	KING WATER		(LO-HI)	AVERAGE	(LO-HI)	AVERAGE
NORGANIC CONTAMINANTS					Erosion of natural deposits; runoff from orchards	glass and electron	ics production				
Arsenic	2014 - 2017	PPB	0.004	10	wastes.	giado ana diconon	ico production	ND	ND	ND - 6.7	ND
Barium	2015 - 2017	PPM	2	1	Discharges of oil drilling wastes and from metal rei	ineries; erosion of r	atural deposits.	ND	ND	ND - 0.33	ND
Chromium (Total Cr)	2015 - 2017	PPB	(100)	50	Discharge from steel and pulp mills and chrome p	lating: erosion of na	atural denosits	ND	ND	ND - 11	ND
Chromium (rotal Cr)	2013-2017	FFB	(100)	30	Discharge from electroplating factories, leather tan	neries, wood preser	vation, chemical	ND	ND	ND - II	ND
3 Hexavalent Chromium	2015 - 2017	PPB	0.02	n/a	synthesis, refractory production, and textile manuf- deposits.	acturing facilities; er	osion of natural	ND	ND	ND - 11	1.1
Fluoride (Natural Source)	2016 - 2017	PPM	1	2	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.		discharge from	ND	ND	ND - 0.41	0.15
Nickel	2015 - 2017	PPB	12	100	Erosion of natural deposits; discharge	e from metal factorie	es.	ND	ND	ND - 14	ND
Nitrate (as N)	2017	PPM	10	10	Runoff and leaching from fertilizer use; leaching fro of natural deposit		sewage; erosion	ND	ND	ND - 3.4	ND
REGULATED ORGANIC CONTAMINANTS		1110	10	10	or natural doposit	<u>. </u>		ND	ND	ND - 3.4	ND
4 Total Trihalomethanes	2017	PPB	n/a	80	Byproduct of drinking water	disinfection.		ND	ND	ND - 2.7	ND
RADIOACTIVE CONTAMINANTS			(=)		5	•					
Gross Alpha Activity 5 Uranium	2006 - 2017 2006 - 2017	pCi/l pCi/l	(0) 0.43	15 20	Erosion of natural deposits. Erosion of natural deposits.			ND ND	ND ND	ND - 8.1 ND - 5	ND ND
Radium 226	2006 - 2017	pCi/l	0.43	n/a	Erosion of natural deposits. Erosion of natural deposits.			ND ND	ND ND	ND - 2.42	ND
DISTRIBUTION SYSTEM	2000 2000	pou.	0.00	17/4				•	NGE		RAGE
Chlorine Residuals	2017	PPM	[4]	[4.0]	Drinking water disinfectant added for treatment.				- 2.28	1.35	
Total Trihalomethanes	2017	PPB	n/a	80	Byproduct of drinking water			ND - 50		31.7	
6 Haloacetic Acids	2017	PPB	n/a	60	Byproduct of drinking water Erosion of natural deposits; water additive that pro		discharge from	ND - 34		19.5	
7 Fluoride (Treated - Distribution)	2017	PPM	1	2	fertilizer and aluminum		uiscriarge iroin	0.56 - 0.86		0.73	
8 Control of DBP Precursors (TOC)	2017	PPM	n/a	TT	Various natural and manmade sources			0.88 - 1.2		1.	04
MICROBIOLOGICAL CONTAMINANTS		0/ -1						1	LEVEL	FOUND	
	4	% of Positive		> 5% of Monthly							
9 Total Coliform Bacteria	2017 Samples		(0)	Samples are Positive	Naturally present in the envirionment.		0.819		.%		
			n/a	TT = 1 NTU				0.115 NTU			
40. Touch latter	0047	NITT	- 1-	TT = 95% of Samples ≤ 0.3 NTU	0.110				400	201	
10 Turbidity SECONDARY STANDARDS - Aesthe	2017 etic Standards	NTU	n/a	<u><</u> 0.3 N10	Soil Runoff			SURFAC	100 E WATER		DWATER
Established by the State Water Res		Board (Sta	te Board)					RANGE	WTD. AVG.	RANGE	WTD. AVG.
Color	2015 - 2017	Units	n/a	15	Naturally-occurring organi			ND	ND	ND - 5	2.7
Copper	2015 - 2017	PPM	0.3	1	Internal corrosion of household plumbing systems; from wood preserva		eposits; leaching	ND	ND	ND - 0.067	ND
Iron	2015 - 2017	PPB	n/a	300	Leaching from natural deposits; industrial wastes.		ND	ND	ND - 170	ND	
Manganese	2015 - 2017	PPB	n/a	50	Leaching from natural deposits.		ND	ND	ND 00	ND	
				3	Naturally-occurring organic materials.				ND - 22		
Odor-Threshold	2015 - 2017	Units	n/a	3		materials.		ND	ND	ND - 22	1.55
Turbidity	2015 - 2017	Units	n/a	5	Soil runoff.			ND ND - 0.115	ND ND	ND - 3 ND - 0.8	0.2
Turbidity Total Dissolved Solids	2015 - 2017 2015 - 2017	Units PPM	n/a n/a	5 1000	Soil runoff. Runoff/leaching from natur	al deposits.	nce	ND ND - 0.115 66 - 110	ND ND 88	ND - 3 ND - 0.8 160 - 330	0.2 203
Turbidity Total Dissolved Solids Specific Conductance (E.C.)	2015 - 2017 2015 - 2017 2015 - 2017	Units PPM umhos/cm	n/a n/a n/a	5 1000 1600	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa	al deposits. er; seawater influer		ND ND - 0.115 66 - 110 100 - 150	ND ND 88 125	ND - 3 ND - 0.8 160 - 330 200 - 530	0.2 203 265
Turbidity Total Dissolved Solids	2015 - 2017 2015 - 2017	Units PPM	n/a n/a	5 1000	Soil runoff. Runoff/leaching from natur	al deposits. er; seawater influers; seawater influenc	e.	ND ND - 0.115 66 - 110	ND ND 88	ND - 3 ND - 0.8 160 - 330	0.2 203
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride	2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM	n/a n/a n/a n/a	5 1000 1600 500 500	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit	al deposits. er; seawater influers; seawater influenc	e.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1	ND ND 88 125 3.75 3.75	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13	0.2 203 265 13 2
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH	2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units	n/a n/a n/a n/a n/a	5 1000 1600 500 500	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposi	al deposits. er; seawater influer s; seawater influenc ts; industrial wastes	e.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1	ND ND 88 125 3.75 3.75	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13	0.2 203 265 13 2
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3)	2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units PPM	n/a n/a n/a n/a n/a n/a	5 1000 1600 500 500	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposi Due to chemicals naturally occuring in the s	al deposits. er; seawater influer s; seawater influenc ts; industrial wastes	e.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59	ND ND 88 125 3.75 3.75 7.95	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370	0.2 203 265 13 2 8.1 66
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3)	2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units	n/a n/a n/a n/a n/a	5 1000 1600 500 500	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposi	al deposits. er; seawater influer s; seawater influenc ts; industrial wastes oil below the earth's	e. surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1	ND ND 88 125 3.75 3.75	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13	0.2 203 265 13 2
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3) 11 Total Hardness (as CaCO3)	2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units PPM Grains	n/a n/a n/a n/a n/a n/a n/a	5 1000 1600 500 500 MO MO	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposi Due to chemicals naturally occuring in the s Due to chemicals naturally occuring in the s	al deposits. er; seawater influer s; seawater influenc ts; industrial wastes oil below the earth's oil below the earth's	e. surface. surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59 1.9 - 3.4	ND ND 88 125 3.75 3.75 7.95 46 2.7	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370 0.9 - 21.6	0.2 203 265 13 2 8.1 66 3.9
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3) 11 Total Hardness (as CaCO3) Total Alkalinity (as CaCO3) Bicarbonate (as HCO3) Sodium	2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units PPM Grains PPM PPM PPM	n/a	5 1000 1600 500 500 MO MO MO MO MO	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Due to chemicals naturally occuring in the s	al deposits. er; seawater influer s; seawater influen ts; industrial wastes oil below the earth's oil below the earth's oil below the earth's oil below the earth's	e. surface. surface. surface. surface. surface. surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59 1.9 - 3.4 37 - 62 45 - 76 4.1 - 9.8	ND ND 88 125 3.75 3.75 7.95 46 2.7 48 58 7.0	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370 0.9 - 21.6 91 - 240 110 - 290 15 - 64	0.2 203 265 13 2 8.1 66 3.9 116 141 31
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3) 11 Total Hardness (as CaCO3) Total Alkalinity (as CaCO3) Bicarbonate (as HCO3) Sodium Calcium	2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units PPM Grains PPM PPM PPM PPM	n/a	5 1000 1600 500 500 MO MO MO MO MO MO	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Due to chemicals naturally occuring in the s	al deposits. er; seawater influenc ts; industrial wastes oil below the earth's	surface. surface. surface. surface. surface. surface. surface. surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59 1.9 - 3.4 37 - 62 45 - 76 4.1 - 9.8 6.9 - 12	ND ND 88 125 3.75 3.75 7.95 46 2.7 48 58 7.0	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370 0.9 - 21.6 91 - 240 110 - 290 15 - 64 3.4 - 85	0.2 203 265 13 2 8.1 66 3.9 116 141 31
Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3) 11 Total Hardness (as CaCO3) Bicarbonate (as HCO3) Sodium Calcium Magnesium	2015 - 2017 2015 - 2017	Units PPM umhos/cm PPM PPM Units PPM Grains PPM PPM PPM	n/a	5 1000 1600 500 500 MO MO MO MO MO	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Due to chemicals naturally occuring in the s	al deposits. er; seawater influenc ts; industrial wastes oil below the earth's	surface. surface. surface. surface. surface. surface. surface. surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59 1.9 - 3.4 37 - 62 45 - 76 4.1 - 9.8	ND ND 88 125 3.75 3.75 7.95 46 2.7 48 58 7.0	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370 0.9 - 21.6 91 - 240 110 - 290 15 - 64	0.2 203 265 13 2 8.1 66 3.9 116 141 31
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Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate DTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3) 11 Total Hardness (as CaCO3) Total Alkalinity (as CaCO3) Bicarbonate (as HCO3) Sodium Calcium Magnesium LEAD & COPPER (See Note 12a & 1	2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2016 - 2017 2016 - 2017 2016 - 2017	Units PPM umhos/cm PPM PPM Units PPM Grains PPM PPM PPM PPM PPM PPM PPM PPM PPM PP	n/a	5 1000 1600 500 500 500 MO MO MO MO MO MO MO MO MO MO	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Due to chemicals naturally occuring in the s Internal corrosion of household water plumbing s manufactures; erosion of nat Internal corrosion of household plumbing systems;	al deposits. er; seawater influercs; seawater influencts; industrial wastes oil below the earth's ersein discharges ural deposits.	e. surface. surface. surface. surface. surface. surface. surface. surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59 1.9 - 3.4 37 - 62 45 - 76 4.1 - 9.8 6.9 - 12 3.6 - 7 NUMBER OF SAMPLES 58	ND ND 88 125 3.75 3.75 3.75 7.95 46 2.7 48 58 7.0 9 5	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370 0.9 - 21.6 91 - 240 110 - 290 15 - 64 3.4 - 85 1.6 - 38	0.2 203 265 13 2 8.1 66 3.9 116 141 31 13 8
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Turbidity Total Dissolved Solids Specific Conductance (E.C.) Chloride Sulfate OTHER CONSTITUENTS ANALYZED pH Total Hardness (as CaCO3) 11 Total Hardness (as CaCO3) Sodium Calcium Magnesium LEAD & COPPER (See Note 12a & 1	2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2015 - 2017 2016 - 2017 2016 - 2016	Units PPM umhos/cm PPM PPM Units PPM Grains PPM PPM PPM PPM PPM PPM PPM PPM PPM PP	n/a	5 1000 1600 500 500 500 MO MO MO MO MO MO MO MO MO MO MO TION LEVEL	Soil runoff. Runoff/leaching from natur Substances that form ions when in wa Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Runoff/leaching from natural deposit Due to chemicals naturally occuring in the s Internal corrosion of household water plumbing a manufactures; erosion of not linternal corrosion of household plumbing systems; from wood preservar	al deposits. er; seawater influercs; seawater influencts; industrial wastes oil below the earth's ersein discharges ural deposits.	e surface surface.	ND ND - 0.115 66 - 110 100 - 150 2.1 - 5.4 2.4 - 5.1 7.7 - 8.1 32 - 59 1.9 - 3.4 37 - 62 45 - 76 4.1 - 9.8 6.9 - 12 3.6 - 7 NUMBER OF SAMPLES 58	ND ND 88 125 3.75 3.75 3.75 7.95 46 2.7 48 58 7.0 9 5	ND - 3 ND - 0.8 160 - 330 200 - 530 2.2 - 160 ND - 13 7.6 - 8.2 16 - 370 0.9 - 21.6 91 - 240 110 - 290 15 - 64 3.4 - 85 1.6 - 38	0.2 203 265 13 2 8.1 66 3.9 116 141 31 13 8 BER DING AL
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- 1. The state allows SCWA to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.
- 2. Surface Water is from SCWA's Vineyard Surface Water Treatment Plant (VSWTP). VSWTP provided 45% of the water distributed to customers in the Laguna, Vineyard, CCE & Grantline-99 area in 2017. SCWA received no water from the City of Sacramento. For more information regarding the City of Sacramento's water quality data, go online (http://portal.cityofsacramento.org/Utilities/ Education/water-quality) or call (916) 264-5011.
- 3. There is currently no MCL for hexavalent chromium. The previous MCL of 10 PPB was withdrawn on September 11, 2017. Chromium-6 is one of the forms of chromium making up total chromium which has a
- California MCL of 50 PPB. For more information about Chromium-6, please visit the State Water Resources Control Board's website: www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Chromium6.shtml.
- 4. Total Trihalomethanes = sum of results for Chloroform, Bromoform, Dibromochloromethane, & Bromodichloromethane.
- 5. The State Water Resources Control Board allows the measurement of gross alpha radiation as a surrogate for Uranium. 6. Haloacetic Acids = sum of results for Bromochloroacetic acid. Dibromoacetic acid. Dichloroacetic acid. Monochloroacetic acid. & Trichloroacetic acid.
- 7. The Laguna-Vineyard water system's facilities are all fluoridated to reduce tooth decay in children. Studies show that water fluoridation reduces tooth decay by 20 to 40 percent. The California State Water Resources
- Control Board advised SCWA to implement the CDC's recommended optimal fluoride content of 0.7 mg/L and control range of 0.6 mg/L 1.2 mg/L. Information about fluoridation, oral health and current issues is available from http://waterboards.ca.gov/drinking_water/certlic/drinkingwater/Fluoridation.shtml. 8. Only Surface water sources must monitor for Disinfection By-Product precursors. Treatment Technique is not required if the raw or treated water TOC is < 2 mg/L.
- 9. On Systems that collect more than 40 samples per month, the Total Coliform Bacteria MCL is 5% of the monthly samples return total coliform positive, per the Total Coliform Rule (TCR). A positive TC sample triggers collection of samples for E. coli at the source (i.e., groundwater wells) per the federal Ground Water Rule (GWR). In 2016, all samples taken per the GWR returned negative (absent) for E. coli. 10. Turbidity is a measure of the cloudiness of the water. 0.115 NTU is the highest individual measurement in 2017. 100% is the lowest percentage of monthly samples which were in compliance below the 0.3 NTU range.
- SCWA monitors turbidity because it is a good indicator of the effectiveness of its filtration systems. Only surface water sources must comply with PDWS for turbidity. 11. Hardness units are PPM. Most commercial companies use "grain" units. Conversion: 17.1 PPM = 1 grain
- 2a The levels for Lead and Copper concentrations were obtained from the 90th percentile of fifty-eight (58) tap water samples taken throughout the Laguna-Vineyard system. The MCLs for lead and copper are set at "Action Levels." None of the samples in Laguna-Vineyard exceeded the Action Levels for Lead and Copper. Please refer to the educational information on Lead in drinking water.
- 2b Effective January 18, 2017, The State Water Resources Control Board requires the Sacramento County Water Agency (SCWA) to provide one-time assistance with lead sampling to all public, private and/or charter schools that submit a written request to SCWA and are served water by SCWA. Twenty-nine (29) schools served by the Laguna/ Vineyard/ CCE/ Grantline 99 water system requested lead sampling at their campuses in 2017.
- 13. Unregulated Contaminants Monitoring Rule (UCMR 3 / 2013 2015 Monitoring) with notification Levels help to determine where certain contaminants occur and whether they need to be regulated. 14. SCWA completed its UCMR3 Monitoring Program between 2013-2014. One well (Equine Well / W-63) exceeded the Notification Level (NL) for chlorate. Chlorate is an anion that can enter drinking water
- from several potential sources, including from hypochlorite or chlorine dioxide disinfectant use, ozone oxidation of hypochlorite and source water contamination from pesticide runoff or papermill discharges. This well was taken off-line due to its chlorate exceedance and for repairs. When all repairs were completed, a confirmation sample was taken May 16, 2016 and returned Non-Detect.

In 2017, SCWA received surface water from its Vineyard Surface Water Treatment Plant (~45%). For more detailed information regarding SCWA water quality, call Aaron Wyley @ (916) 875-5815.

State Mandated Information for Arsenic & Lead:

Arsenic:

While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Lead:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Sacramento County Water Agency is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/lead.

Cryptosporidium:

Cryptosporidium is a microbial pathogen found in surface water (e.g., rivers, lakes and streams) throughout the United States. SCWA's raw surface water source is the Sacramento River. Our monitoring of the source water indicates the presence of these organisms. From 2005 to 2007, SCWA took monthly Cryptosporidium samples. Of the 24 samples taken, only four detected the pathogen in the raw water. The results ranged from non-detect (ND) to 0.2 Oocycsts/ 10 liters. The average analysis result was 0.2 Oocycsts/ 10Liters. SCWA's surface water is highly treated with a thorough disinfection and filtration process to remove Cryptosporidium before distribution to the customer; however, the most commonly used filtration methods cannot guarantee 100 percent removal. Ingestion of Cryptosporidium may cause cryptosporidiosis, and abdominal infection, the symptoms of which include nausea, cramps, diarrhea, and associated headaches. We encourage immune-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection.