# SACRAMENTO COUNTY WATER AGENCY 2021 WATER QUALITY REPORT - CENTRAL & SOUTH SERVICE AREA (CSA & SSA) (See Note #1)

			e Board)							
			PHG or			SURFACE WATER (see #3)		GROUNDWATER		
	SAMPLE		(MCLG) or	MCL OR		RANGE	WEIGHTED	RANGE	WEIGHTEI	
	DATE (See #2)	UNITS	[MRDLG]	[MRDL]	MAJOR SOURCES IN DRINKING WATER	(LO-HI)	AVERAGE	(LO-HI)	AVERAGE	
IORGANIC CONTAMINANTS					Erosion of natural deposits; runoff from orchards; glass and electronics production					
Arsenic	2015 - 2021	PPB	0.004	10	wastes.	ND - 2	ND	ND - 8.7	ND	
7.000.00	2010 2021		0.001	10						
Barium	2015 - 2021	PPM	2	1	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits.	ND	ND	ND - 0.87	ND	
Chromium (Total Cr)	2015 - 2021	PPB	(100)	50	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits.	ND	ND	ND - 10	ND	
Coppor	2015 - 2021	PPM	n/a	1	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	ND	ND	ND - 0.11	ND	
Copper	2015 - 2021	FFINI	Ti/a	1	Erosion of natural deposits; water additive that promotes strong teeth; discharge from	ND	ND	ND - 0.11	ND	
Fluoride (Natural Source)	2020 - 2021	PPM	1	2	fertilizer and aluminum factories.	ND	ND	ND - 0.68	0.16	
, , ,					Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion					
Nitrate (as N)	2020 - 2021	PPM	10	10	of natural deposits.	ND	ND	ND - 3.6	0.42	
SINFECTION BYPRODUCTS and DISINF	ECTION BYPROD	UCT PRECU	RSORS							
1 TTHMs [Total Trihalomethanes]	2015 - 2020	PPB	n/a	80	Byproduct of drinking water disinfection.	ND	ND	ND - 2.7	ND	
5 Control of DBP Precursors (TOC)	2021	PPM	n/a	TT	Various natural and manmade sources	0.73 - 1.2	0.97	NA	NA	
ADIOACTIVE CONTAMINANTS										
Gross Alpha Activity	2015 - 2021	pCi/L	(0)	15	Erosion of natural deposits.	ND	ND	ND - 5.1	ND	
6 Uranium	2015 - 2021	pCi/L	0.43	20	Erosion of natural deposits.	ND	ND	ND - 2.71	ND	
Radium 226	2006 - 2021	pCi/L	0.05	n/a	Erosion of natural deposits.	ND	ND	ND - 2.42	ND	
STRIBUTION SYSTEM		r					(LO - HI)		RAGE	
Chlorine Residuals	2021	PPM	[4]	[4.0]	Drinking water disinfectant added for treatment.		- 2.62		31	
TTHMs [Total Trihalomethanes]	2021	PPB	n/a	80	Byproduct of drinking water disinfection.		0 - 63		32.8	
7 HAA5 [Sum of 5 Haloacetic Acids]	2021	PPB	n/a	60	Byproduct of drinking water disinfection.	ND	) - 27	14	.3	
8 Fluoride (Treated - Distribution)	2021	PPM	1	2	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories.	0.58	- 0.89	0.	80	
CROBIOLOGICAL CONTAMINANTS	2021	11101		2		0.00	LEVEL		55	
		% of								
		Positive		> 5% of Monthly						
9 Total Coliform Bacteria	2021	Samples	(0)	Samples are Positive	Naturally present in the envirionment.		0.8	1%		
			n/a	TT = 1 NTU			0.091	NTU		
				TT = 95% of Samples						
0 Turbidity	2021	NTU	n/a	<u>&lt;</u> 0.3 NTU	Soil Runoff		100	0%		
			aroundwater fi	om the Laguna/ Vine	/ard/ Country Creek Estates/ Grantline 99 water system and surface water from	the Vinevard	Surface Water Tr	eatment Plant (\	/SWTP).	
<ol> <li>The State Water Resources Contruction contaminants do not change frequing.</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sum</li> <li>Only Surface water sources must in the SWRCB allows the measurem</li> <li>The SWRCB allows the measurem's facil Control &amp; Prevention's (CDC's) recting the trip://waterboards.ca.gov/drinki</li> <li>On Systems that collect more than collection of samples for E. coll at the cluding the effectiveness of its</li> </ol>	ol Board Division ently. Some of o WTP which provi s water quality da n of Four Regulat monitor for Disinf nent of gross alph ive Regulated HA lities are all fluori commended optin ing_water/certlic n 40 samples per the source (i.e., g liness of the wate filtration systems tic Standards	of Drinking ur data, the ided approv ata, go onlin ed THMs, i ection By-F ha radiation AAs, i.e., Me dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf	Water (SWR ugh represen iimately 32% of e (http://porl e.e., Chloroforr roduct precur as a surrogat buce tooth dec content of 0.7 rater/Fluorida Total Coliforn r wells) per th TU is the high face water sol	CB DDW) allows Saci tative, are more than of the water distributed al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoad cay in children. Studie ' mg/L and control ran tition.html. h Bacteria MCL is 5% e federal Ground Wate est individual measure	d to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i corg/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. etic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and curre of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0.	than once per y its water from t WRCB advised nt issues is av Total Coliform sent) for E. coli	year because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p i.	concentrations nento. For more nent the Center positive TC samp	of these information for Disease ole triggers	
<ol> <li>The State Water Resources Contracontaminants do not change frequing.</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sum</li> <li>Only Surface water sources must in the SWRCB allows the measurem</li> <li>Haloacetic Acids are the Sum of Fills.</li> <li>The CSA/SSA water system's facilic Control &amp; Prevention's (CDC's) recontrol &amp; Prevention's (CDC's) recontrol &amp; CDC's) recontrol and the collect more than collection of samples for E. coli at Turbidity is a measure of the cloud indicator of the effectiveness of its</li> </ol>	ol Board Division ently. Some of o WTP which provi s water quality da n of Four Regulat monitor for Disinf nent of gross alph ive Regulated HA lities are all fluori commended optin ing_water/certlic n 40 samples per the source (i.e., g liness of the wate filtration systems tic Standards	of Drinking ur data, the ided approv ata, go onlin ed THMs, i ection By-F ha radiation AAs, i.e., Me dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf	Water (SWR ugh represen iimately 32% of e (http://port e.e., Chloroforur roduct precur as a surrogat bonochloroacet duce tooth dec content of 0.7 rater/Fluorida Total Coliforn r wells) per th TU is the high face water sou	CB DDW) allows Saci tative, are more than of the water distributed al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoad cay in children. Studie ' mg/L and control ran tition.html. h Bacteria MCL is 5% e federal Ground Wate est individual measure	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. d to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i <b>.org/Utilities/Education/water-quality</b> ) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. exetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The Si ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and curre of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0.	than once per y its water from t WRCB advised nt issues is av Total Coliform sent) for E. coli 3 NTU range).	year because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p SCWA monitors	concentrations nento. For more nent the Center positive TC samp turbidity becaus	of these information for Disease ole triggers se it is a goo	
<ol> <li>The State Water Resources Contra- contaminants do not change frequ</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sun</li> <li>Only Surface water sources must is</li> <li>The SWRCB allows the measuren r. Haloacetic Acids are the Sum of F</li> <li>The CSA/SSA water system's facil Control &amp; Prevention's (CDC's) rec http://waterboards.ca.gov/drinki</li> <li>On Systems that collect more than collection of samples for E. coll at</li> <li>Turbidity is a measure of the cloud indicator of the effectiveness of its</li> </ol>	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinf nent of gross alph ive Regulated HA lities are all fluoric commended optir ing_water/certlic the source (i.e., g tiness of the wate filtration systems tic Standards urces Control B	of Drinking ur data, the ided approv ata, go onlin ed THMs, i ection By-F ha radiation AAs, i.e., Me dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf	Water (SWR ugh represen timately 32% of he (http://port e., Chloroforr roduct precur as a surrogat bucc tooth dec content of 0.7 rater/Fluorida rotal Coliform r wells) per th TU is the high face water sou Board) PHG or	CB DDW) allows Saci tative, are more than of the water distributer <b>cal.cityofsacramento</b> n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoac cay in children. Studie r mg/L and control ran <b>ation.html.</b> n Bacteria MCL is 5% e federal Ground Wat est individual measure urces must comply wit	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. d to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i <b>.org/Utilities/Education/water-quality</b> ) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. exetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The Si ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and curre of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0.	than once per y its water from t WRCB advised nt issues is av Total Coliform sent) for E. coli 3 NTU range). SURFAC	year because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p SCWA monitors	concentrations nento. For more ment the Center positive TC samp turbidity becaus	of these information for Disease ole triggers se it is a goo	
<ol> <li>The State Water Resources Contra contaminants do not change frequ</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sun only Surface water sources must it</li> <li>The SWRCB allows the measuren Haloacetic Acids are the Sum of F</li> <li>The CSA/SSA water system's facil Control &amp; Prevention's (CDC's) rec http://waterboards.ca.gov/drinki</li> <li>On Systems that collect more than collection of samples for E. coli at</li> <li>Turbidity is a measure of the cloud indicator of the effectiveness of its</li> <li>ECONDARY STANDARDS - Aesthef stablished by the State Water Reso</li> </ol>	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinf nent of gross alpf ive Regulated HA lities are all fluoric commended optir ing_water/certlic on 40 samples per the source (i.e., g diness of the wate filtration systems tic Standards urces Control B SAMPLE	of Drinking ur data, the ided approvata, go onlin eed THMs, i eet on By-F na radiation AAs, i.e., Me dated to rea mal fluoride c/drinkingw month, the er. 0.091 N s. Only surf	Water (SWR ugh represen timately 32% of hee (http://port e.e., Chloroforr roduct precur as a surrogat buce tooth dec content of 0.7 rater/Fluorida Total Coliform rwells) per th TU is the high face water sou Board) PHG or (MCLG) or	CB DDW) allows Sac tative, are more than of the water distributer <b>cal.cityofsacramento</b> n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoad cay in children. Studier mg/L and control ran <b>tion.html.</b> n Bacteria MCL is 5% e federal Ground Wat est individual measuru urces must comply wit	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. I to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i <b>.org/Utilities/Education/water-quality</b> ) or call (916) 264-5011. Iane, Dibromochloromethane, and Bromoform. Inique is not required if the raw or treated water TOC is < 2 mg/L. Setic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. Its show that water fluoridation reduces tooth decay by 20 to 40 percent. The S <sup>1</sup> ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and currer of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity.	than once per y its water from t WRCB advised int issues is av Total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE	year because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p SCWA monitors SCWA monitors	concentrations nento. For more ment the Center positive TC samp turbidity becaus GROUNI RANGE	of these informatio for Disease ole triggers se it is a go DWATER WEIGHT	
<ol> <li>The State Water Resources Contra contaminants do not change frequ</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sun only Surface water sources must it</li> <li>The SWRCB allows the measuren Haloacetic Acids are the Sum of F</li> <li>The CSA/SSA water system's faci Control &amp; Prevention's (CDC's) rec http://waterboards.ca.gov/drinki</li> <li>On Systems that collect more than collection of samples for E. coli at</li> <li>Turbidity is a measure of the cloud indicator of the effectiveness of its</li> <li>ECONDARY STANDARDS - Aesthef stablished by the State Water Reso</li> <li>DNSTITUENT</li> </ol>	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinf nent of gross alph ive Regulated HA lities are all fluori commended optir ing_water/certilic n 40 samples per the source (i.e., g filtration systems tic Standards urces Control B SAMPLE DATE	of Drinking ur data, the ided approv ata, go onlin ted THMs, i ection By-F aa radiation AAs, i.e., Me dated to red mal fluoride c/drinkingw month, the groundwate gro	Water (SWR ugh represen imately 32% of he (http://porf e.e., Chloroforr oroduct precur as a surrogat brochloroacet duce tooth dec content of 0.7 ater/Fluorida Total Coliform r wells) per th TU is the high ace water sou Board) PHG or (MCLG) or [MRDLG]	CB DDW) allows Saci tative, are more than of the water distributer <b>cal.cityofsacramento</b> n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoac ay in children. Studie ' mg/L and control ran <b>tion.html.</b> n Bacteria MCL is 5% e federal Ground Wat est individual measuru rrces must comply wit	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. I to customers in the CSA/SSA in 2021. SCWA received approximately 6% of icorg/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. cetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and curree of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity. MAJOR SOURCES IN DRINKING WATER	than once per y its water from t WRCB advised ant issues is ava Total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI)	year because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors CWA monitors	concentrations nento. For more ment the Center positive TC samp turbidity becaus GROUNI RANGE (LO-HI)	of these informatio for Disease ole triggers se it is a go DWATER WEIGHT AVERAC	
The State Water Resources Contro- contaminants do not change frequ     Surface Water is from SCWA's VS regarding the City of Sacramento'     Total Trihalomethanes are the sum     Only Surface water sources must i     The SWRCB allows the measurem     Haloacetic Acids are the Sum of F     The CSA/SSA water system's faci Control & Prevention's (CDC's) rec http://waterboards.ca.gov/drinki     On Systems that collect more than collection of samples for E. coli at     Turbidity is a measure of the cloud indicator of the effectiveness of its     ECONDARY STANDARDS - Aesthet     stablished by the State Water Reso     DNSTITUENT     Iron	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinf nent of gross alph ive Regulated HA lities are all fluori commended optir ing_water/certlic n 40 samples per the source (i.e., g filtration systems tic Standards urces Control B SAMPLE DATE 2020 - 2021	of Drinking ur data, the ided approv ata, go onlin ted THMs, i ection By-F a radiation AAs, i.e., Me dated to rea mal fluoride c/drinkingw month, the groundwate s. Only surf oard (State UNITS PPB	Water (SWR ugh represen timately 32% of he (http://port/ e.e., Chloroforr oroduct precur as a surrogat brochloroacet duce tooth dec content of 0.7 rater/Fluoridd Total Coliform r wells) per th TU is the high face water sou Board) PHG or (MCLG) or [MRDLG] n/a	CB DDW) allows Sac tative, are more than of the water distributer al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoac ay in children. Studie ' mg/L and control ran tion.html. n Bacteria MCL is 5% e federal Ground Wat est individual measuru rrces must comply wit	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i corg/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. cetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and currer of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity. MAJOR SOURCES IN DRINKING WATER Leaching from natural deposits; Industrial wastes	than once per y its water from t WRCB advised ant issues is ava- Total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI) ND	vear because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors SCWA monitors	concentrations nento. For more ment the Center positive TC samp turbidity becaus <b>GROUNI</b> <b>RANGE</b> (LO-HI) ND - 220	of these informatio for Disease ole triggers se it is a go DWATER WEIGHT AVERAG ND	
<ol> <li>The State Water Resources Contra contaminants do not change frequ</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sun</li> <li>Only Surface water sources must i</li> <li>The SWRCB allows the measuren</li> <li>Haloacetic Acids are the Sum of F</li> <li>The CSA/SSA water system's faci Control &amp; Prevention's (CDC's) red http://waterboards.ca.gov/drinki</li> <li>On Systems that collect more than collection of samples for E. coli at</li> <li>Turbidity is a measure of the cloud indicator of the effectiveness of its</li> <li>ECONDARY STANDARDS - Aesthel stablished by the State Water Reso</li> <li>DNSTITUENT</li> <li>Iron</li> <li>Manganese</li> </ol>	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinfi nent of gross alph ive Regulated HA lities are all fluori commended optir ing_water/certlic 1 40 samples per the source (i.e., g liness of the water filtration systems tic Standards urces Control B SAMPLE DATE 2020 - 2021 2020 - 2021	of Drinking ur data, the ided approv ata, go onlin eed THMs, i ection By-F a radiation AAs, i.e., Me dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf oard (State UNITS PPB PPB	Water (SWR ugh represen timately 32% of he (http://port .e., Chloroforr oroduct precur as a surrogat onochloroacet duce tooth dec content of 0.7 rater/Fluorida Total Coliform r wells) per th iace water sou Board) PHG or (MCLG) or [MRDLG] n/a n/a	CB DDW) allows Sact tative, are more than of the water distributer al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoar cay in children. Studie ' mg/L and control ran titon.html. n Bacteria MCL is 5% e federal Ground Wate est individual measure inces must comply wit MCL OR [MRDL] 300 50	amento County Water Agency (SCWA) to monitor for some contaminants less one year old.         d to customers in the CSA/SSA in 2021. SCWA received approximately 6% of isorg/Utilities/Education/water-quality) or call (916) 264-5011.         uane, Dibromochloromethane, and Bromoform.         inique is not required if the raw or treated water TOC is < 2 mg/L.	than once per y its water from t WRCB advised ent issues is ava- Total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI) ND ND	ear because the he City of Sacran I SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors SCWA monitors	concentrations nento. For more ment the Center positive TC samp turbidity becaus <b>GROUNI</b> <b>RANGE</b> (LO-HI) ND - 220 ND - 23	of these informatio for Disease ole triggers se it is a go DWATER WEIGHT AVERAC ND ND	
<ol> <li>The State Water Resources Contra- contaminants do not change frequ</li> <li>Surface Water is from SCWA's VS regarding the City of Sacramento'</li> <li>Total Trihalomethanes are the sun</li> <li>Only Surface water sources must i</li> <li>The SWRCB allows the measuren</li> <li>Haloacetic Acids are the Sum of F</li> <li>The CSA/SSA water system's faci Control &amp; Prevention's (CDC's) red http://waterboards.ca.gov/drinki</li> <li>On Systems that collect more than collection of samples for E. coli at indicator of the effectiveness of its</li> <li>ECONDARY STANDARDS - Aesthel stablished by the State Water Reso</li> <li>ONSTITUENT Iron</li> <li>Manganese</li> <li>Odor-Threshold</li> </ol>	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinfi nent of gross alph ive Regulated HA lities are all fluoric commended optir ing_water/certlic 1 40 samples per the source (i.e., Q liness of the wate filtration systems tic Standards urces Control B SAMPLE DATE 2020 - 2021 2020 - 2021 2018 - 2021	of Drinking ur data, the ided approx ata, go onlin eed THMs, i ection By-F a radiation AAs, i.e., Me dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf oard (State UNITS PPB PPB Units	Water (SWR ugh represen timately 32% of the (http://port .e., Chloroforr as a surrogat onochloroacet duce tooth dec content of 0.7 rater/Fluorida Total Coliforn r wells) per th TU is the high ace water sou Board) PHG or (MCLG) or [MRDLG] n/a n/a n/a	CB DDW) allows Sact tative, are more than of the water distributer al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoa ay in children. Studie ' mg/L and control ran titon.html. n Bacteria MCL is 5% e federal Ground Wate est individual measure inces must comply wit MCL OR [MRDL] 300 50 3	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i corg/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. Setic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. as show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and currer of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity. MAJOR SOURCES IN DRINKING WATER Leaching from natural deposits; Industrial wastes Leaching from natural deposits. Naturally-occurring organic materials.	than once per y its water from t WRCB advised int issues is ava- total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI) ND ND 1.5 -2	ear because the he City of Sacran l SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors SCWA monitors CE WATER WEIGHTED AVERAGE ND ND 1.8	concentrations nento. For more ment the Center positive TC samp turbidity becaus <b>GROUNI</b> <b>RANGE</b> (LO-HI) ND - 220 ND - 23 ND - 2	of these informatio for Disease ole triggers se it is a go DWATER WEIGHT AVERAC ND ND ND	
2. The State Water Resources Contra- contaminants do not change frequ     3. Surface Water is from SCWA's VS regarding the City of Sacramento'     4. Total Trihalomethanes are the sum     5. Only Surface water sources must i     6. The SWRCB allows the measurem     7. Haloacetic Acids are the Sum of F     8. The CSA/SSA water system's facil Control & Prevention's (CDC's) rec http://waterboards.ca.gov/drinki     9. On Systems that collect more than collection of samples for E. coli at     0. Turbidity is a measure of the cloud indicator of the effectiveness of its     ECONDARY STANDARDS - Aesther stablished by the State Water Reso     ONSTITUENT     Iron     Manganese     Odor-Threshold     Turbidity	ol Board Division ently. Some of o WTP which provi 's water quality da n of Four Regulat monitor for Disinfi nent of gross alph ive Regulated HA lities are all fluoric commended optir ing_water/certlic of 40 samples per the source (i.e., <u>g</u> liness of the water filtration systems tic Standards warces Control B SAMPLE DATE 2020 - 2021 2020 - 2021 2018 - 2021 2018 - 2021	of Drinking ur data, the ided approx ata, go onlin eed THMs, i ection By-F a radiation AAs, i.e., Mu dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf oard (State UNITS PPB PPB Units Units	Water (SWR ugh represen imately 32% - he (http://port .e., Chloroforr roduct precur as a surrogat duce tooth dec content of 0.7 rater/Fluorida Total Coliforn r wells) per th TU is the high ace water sou Board) PHG or (MCLG) or [MRDLG] n/a n/a n/a n/a	CB DDW) allows Sact tative, are more than of the water distributer al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoa ay in children. Studie ' mg/L and control ran titon.html. n Bacteria MCL is 5% e federal Ground Wate est individual measure urces must comply wit MCL OR [MRDL] 300 50 3 5	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. d to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i .org/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. cetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and curre of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity. MAJOR SOURCES IN DRINKING WATER Leaching from natural deposits; Industrial wastes Leaching from natural deposits. Naturally-occurring organic materials. Soil runoff.	than once per y its water from t WRCB advised int issues is ava- sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI) ND ND 1.5 -2 ND	vear because the he City of Sacran l SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors SCWA monitors SCWA monitors SCWA monitors ND AVERAGE ND ND 1.8 ND	Concentrations nento. For more ment the Center positive TC samp turbidity becaus <b>GROUNI</b> RANGE (LO-HI) ND - 220 ND - 23 ND - 2 ND - 0.38	of these informatio for Disease ole triggers se it is a go DWATER WEIGHT AVERAC ND ND ND 0.14	
2. The State Water Resources Contra- contaminants do not change frequ     3. Surface Water is from SCWA's VS regarding the City of Sacramento'     4. Total Trihalomethanes are the sum     5. Only Surface water sources must i     6. The SWRCB allows the measurem     7. Haloacetic Acids are the Sum of F     8. The CSA/SSA water system's facil Control & Prevention's (CDC's) rec http://waterboards.ca.gov/drinki     9. On Systems that collect more than collection of samples for E. coli at 10. Turbidity is a measure of the cloud indicator of the effectiveness of its     ECONDARY STANDARDS - Aesther stablished by the State Water Reso     ONSTITUENT     Iron     Manganese     Odor-Threshold     Turbidity     Total Dissolved Solids	ol Board Division ently. Some of o SWTP which provi 's water quality da n of Four Regulat monitor for Disinfi nent of gross alph ive Regulated HA lities are all fluoric commended optir ing_water/certlic 1 40 samples per the source (i.e., Q liness of the wate filtration systems tic Standards urces Control B SAMPLE DATE 2020 - 2021 2020 - 2021 2018 - 2021	of Drinking ur data, the ided approx ata, go onlin eed THMs, i ection By-F a radiation AAs, i.e., Me dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf oard (State UNITS PPB PPB Units	Water (SWR ugh represen timately 32% of the (http://port .e., Chloroforr as a surrogat onochloroacet duce tooth dec content of 0.7 rater/Fluorida Total Coliforn r wells) per th TU is the high ace water sou Board) PHG or (MCLG) or [MRDLG] n/a n/a n/a	CB DDW) allows Sact tative, are more than of the water distributer al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoa ay in children. Studie ' mg/L and control ran titon.html. n Bacteria MCL is 5% e federal Ground Wate est individual measure inces must comply wit MCL OR [MRDL] 300 50 3	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i .org/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. cetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and currer of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity. MAJOR SOURCES IN DRINKING WATER Leaching from natural deposits; Industrial wastes Leaching from natural deposits. Naturally-occurring organic materials. Soil runoff. Runoff/leaching from natural deposits.	than once per y its water from t WRCB advised int issues is ava- total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI) ND ND 1.5 -2	ear because the he City of Sacran l SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors SCWA monitors CE WATER WEIGHTED AVERAGE ND ND 1.8	concentrations nento. For more ment the Center positive TC samp turbidity becaus <b>GROUNI</b> <b>RANGE</b> (LO-HI) ND - 220 ND - 23 ND - 2	of these information for Disease ole triggers se it is a go DWATER WEIGHT AVERAG ND ND ND	
2. The State Water Resources Contra- contaminants do not change frequ     3. Surface Water is from SCWA's VS regarding the City of Sacramento'     4. Total Trihalomethanes are the sun     5. Only Surface water sources must i     6. The SWRCB allows the measuren     7. Haloacetic Acids are the Sum of F     8. The CSA/SSA water system's facil Control & Prevention's (CDC's) rec http://waterboards.ca.gov/drinki     9. On Systems that collect more than collection of samples for E. coli at     10. Turbidity is a measure of the cloud indicator of the effectiveness of its     ECONDARY STANDARDS - Aesther stablished by the State Water Reso     ONSTITUENT     Iron     Manganese     Odor-Threshold     Turbidity	ol Board Division ently. Some of o WTP which provi 's water quality da n of Four Regulat monitor for Disinfi- nent of gross alph ive Regulated HA lities are all fluori- commended optir ing_water/certilion A 40 samples per the source (i.e., g thress of the water filtration systems tic Standards urces Control B SAMPLE DATE 2020 - 2021 2020 - 2021 2018 - 2021 2018 - 2021	of Drinking ur data, the ided approx ata, go onlin eed THMs, i ection By-F a radiation AAs, i.e., Mu dated to ree mal fluoride c/drinkingw month, the groundwate er. 0.091 N s. Only surf oard (State UNITS PPB PPB Units Units PPM	Water (SWR ugh represen imately 32% of the (http://port .e., Chloroforr roduct precur as a surrogat unochloroacet duce tooth dec content of 0.7 rater/Fluorida Total Coliforn r wells) per th TU is the high ace water sou Board) PHG or (MCLG) or [MRDLG] n/a n/a n/a n/a n/a	CB DDW) allows Saci tative, are more than of the water distributer al.cityofsacramento n, Bromodichlorometh sors. Treatment Tech e for Uranium. ic Acid, Monobromoau ay in children. Studie ' mg/L and control ran tition.html. n Bacteria MCL is 5% e federal Ground Wate est individual measure urces must comply wit MCL OR [MRDL] 300 50 3 5 1000	amento County Water Agency (SCWA) to monitor for some contaminants less one year old. d to customers in the CSA/SSA in 2021. SCWA received approximately 6% of i .org/Utilities/Education/water-quality) or call (916) 264-5011. ane, Dibromochloromethane, and Bromoform. inique is not required if the raw or treated water TOC is < 2 mg/L. cetic Acid, Dichloroacetic Acid, Dibromoacetic Acid, and Trichloroacetic Acid. es show that water fluoridation reduces tooth decay by 20 to 40 percent. The S' ge of 0.6 mg/L – 1.2 mg/L. Information about fluoridation, oral health and curre of the samples collected in any one month return total coliform positive, per the er Rule (GWR). In 2021, all samples taken per the GWR returned negative (ab ement in 2021. 100% of the monthly samples were in compliance (below the 0. h PDWS for turbidity. MAJOR SOURCES IN DRINKING WATER Leaching from natural deposits; Industrial wastes Leaching from natural deposits. Naturally-occurring organic materials. Soil runoff.	than once per y its water from t WRCB advised int issues is ava- total Coliform sent) for E. coli 3 NTU range). SURFAC RANGE (LO-HI) ND ND 1.5 -2 ND 87 - 110	vear because the he City of Sacran l SCWA to impler ailable from Rule (TCR). A p i. SCWA monitors SCWA monitors SCWA monitors SCWA monitors ND AVERAGE ND ND 1.8 ND 1.8 ND 98.5	concentrations nento. For more ment the Center positive TC samp turbidity because (LO-HI) ND - 220 ND - 23 ND - 2 ND - 0.38 170 - 710	of these information for Disease ole triggers se it is a go DWATER WEIGHT AVERAC ND ND ND ND 0.14 237	

OTHER CONSTITUENTS ANALYZED 2018 - 2021 Units MO 8 8.0 7.6 - 8.2 7.9 n/a 11 Total Hardness (as CaCO3) 2018 - 2021 PPM n/a MO Due to chemicals naturally occuring in the soil below the earth's surface. 51 - 62 57 20 - 330 94 12 Total Hardness (as CaCO3) 2018 - 2021 Grains n/a MO Due to chemicals naturally occuring in the soil below the earth's surface 3 - 3 6 33 1 - 19 55 Total Alkalinity (as CaCO3) 2018 - 2021 PPM Due to chemicals naturally occuring in the soil below the earth's surface. 51 - 71 91 - 230 116 n/a MO 61 Bicarbonate (as HCO3) 2018 - 2021 PPM n/a MO Due to chemicals naturally occuring in the soil below the earth's surface 62 - 86 72 110 - 280 141 2018 - 2021 PPM Due to chemicals naturally occuring in the soil below the earth's surface. 8.7 - 12 10.4 16 - 120 32 Sodium MO n/a 2018 - 2021 PPM Due to chemicals naturally occuring in the soil below the earth's surface 11 - 13 12 4.4 - 73 20 Calcium MO n/a 2018 - 2021 PPM MO 6.1 - 7.4 2 - 34 11 Due to chemicals naturally occuring in the soil below the earth's surface 7 Magnesi n/a

LEAD & COPPER (See Note 13a & 13b SAMPLE PHG or ACTION MAJOR SOURCES IN NUMBER OF 90TH % LEVEL NUMBER CONTAMINANT LEVEL SAMPLES DETECTED DATE UNITS DRINKING WATER (MCLG) EXCEEDING AL Internal corrosion of household water plumbing systems; discharges from industrial manufactures; erosion of natural deposits. Lead 2019 PPB (0.2) 15 53 ND 1 sion of household plumbing systems; erosion of natural deposits; leach (0.3)1.3 53 0.07 0 Copper 2019 PPM from wood preservatives NUMBER OF ACTION NUMBER SAMPLE PHG or MAJOR SOURCES IN RANGE (MCLG) EAD Sampling in schools UNITS SCHOOLS DATE LEVEL DETECTED **EXCEEDING AL** DRINKING WATER Internal corrosion of household water plumbing systems; discharges from industrial Lead (Elk Grove Unified School District) PPB 15 manufactures; erosion of natural deposits. 0 2017 (0.2) 29 ND - 9.8

NOTES: 11. Hardness units are PPM. General guidelines for classification of water hardness are: 0 - 60 PPM as soft; 61 - 120 PPM as moderately hard; 121 - 180 PPM as hard; and greater than 180 PPM as very hard.

12. Most commercial companies use "grain" units. Conversion: 17.1 PPM = 1 grain.

13a. The levels for Lead and Copper concentrations were obtained from the 90th percentile of fifty-three (53) tap water samples taken throughout the CSA/SSA water system. The MCLs for lead and copper are set at "Action Levels" (AL). None of the samples taken in the CSA/ SSA exceeded the Action Level for Copper; however, one sample for Lead exceeded the AL with a result of 16 PPB (µg/L). Please refer to the educational information on Lead in drinking water.

13b. From January 18, 2017 to November 1, 2019, the SWRCB required SCWA to provide one-time assistance with lead sampling to all public, private and/ or charter schools that submit a written request and are served water by SCWA. Thirty (30) schools served by the CSA/SSA water system requested lead sampling at their campuses.

# PER- & POLYFLUOROALKYL SUBSTANCES (PFAS) - See # 14

he State Water Resources Control Board Division of Drinking Water (SWRCB DDW) established new drinking water guidelines for water agencies to follow in detecting and reporting the presence of perfluorooctanoic acid PFOA) and perfluorooctanesulfonic acid (PFOS) – two members of a large family of chemicals known as per- and polyfluoroalkyl substances (PFAS). Until PFOA and PFOS were phased out in the 2000s due to health concerns, nese chemicals were widely used in grease and stain resistant coatings for consumer products and firefighting foams. Drinking water containing PFOA and PFOS has become an increasing concern due to the persistence of nese chemicals in the environment and their tendency to accumulate in groundwater. Long-term exposure to PFOA and PFOS over certain levels is associated with adverse health effects that include cancer and developmental arm. SWRCB DDW has identified analytical methods capable of detecting the following eighteen (18) perfluorinated compounds in drinking water:

NMeFOSAA)

PERFLUOROBUTANE SULFONIC ACID (PFBS)	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NEtFOSAA)
PERFLUOROHEPTANOIC ACID (PFHpA)	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMeFOSAA
PERFLUOROHEXANE SULFONIC ACID (PFHxS)	PERFLUORODECANOIC ACID (PFDA)
PERFLUORONONANOIC ACID (PFNA)	PERFLUORODODECANOIC ACID (PFDoA)
PERFLUOROOCTYL SULFONIC ACID (PFOS)	PERFLUOROHEXANOIC ACID (PFHxA)
PERFLUOROOCTANOIC ACID (PFOA)	PERFLUOROTETRADECANOIC ACID (PFTA)

PERFLUOROTRIDECANOIC ACID (PFTrDA) PERFLUOROUNDECANOIC ACID (PFUnA) HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HEPO-DA) 9-CHLOROHEXADECAELUORO-3-OXANONE-1 SULEONIC ACID (9CI-PE3ONS) 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONIC ACID (11CI-PF3OUdS) 4,8-DIOXA-3H-PERFLUORONONANOIC ACID (ADONA)

	SAMPLE		Notification	Response		GROUNDWATER	
CONSTITUENT	DATE	UNITS	Level (#15)	Level (#16)	MAJOR SOURCES IN DRINKING WATER	RANGE (LO - HI)	AVERAGE
					Chemicals used in grease and stain resistant coatings for consumer products and firefighting		
Perfluorooctanoic Acid [PFOA]	2020 - 2021	PPT	5.1	10	foams.	ND - 5.5	5.2
					Chemicals used in grease and stain resistant coatings for consumer products and firefighting		
Perfluorooctyl Sulfonate [PFOS]	2020 - 2021	PPT	6.5	40	foams.	ND - 5.5	5.3

# NOTES:

14. Starting in the 2nd Quarter of 2019, SCWA (per SWRCB DDW direction) began PFAS monitoring at numerous wells in the CSA/SSA water system. SCWA concentrated testing where detectable amounts of PFAS were found in groundwater wells. The results listed pertain to monitoring four (4) wells in the CSA/ SSA water system through December 31, 2021. The averages (listed as 5.2 PPT for PFOA & 5.3 PPT for PFOS) represent the highest running annual average at one of the well locations, not an average for all wells in the system. For more information on PFAS, PFOA and PFOS, please visit the SWRCB DDW's resource page: https://www.waterboards.ca.gov/drinking\_water/certlic/drinkingwater/PFOA\_PFOS.html

15. The guidelines adopted by the SWRCB DDW set Notification Levels (NL) of 5.1 parts per trillion (PPT) for PFOA and 6.5 PPT for PFOS. If the NL is exceeded, the water agency (SCWA) is required to report the results to the Sacramento County Board of Supervisors and to the SWRCB DDW. The water agency is also urged to report this information to the customer.

16. The SWRCB DDW established a Response Level (RL) of 10 PPT for PFOA and 40 PPT for PFOS. If the RL is exceeded in drinking water provided to consumers, the SWRCB DDW recommends that the water agency consider taking the water source out of service, provide treatment if that option is available, or provide public notice of the exceedance level.

# SACRAMENTO COUNTY WATER AGENCY 2021 WATER QUALITY REPORT - CENTRAL & SOUTH SERVICE AREA (CSA & SSA) (See Note #1)

GROUNDWATER

WTD. AVG.

6.25

0.84

NA

NA

NA

NA

NA

HAA6Br (see Note 20)

LEGEND:											
ALRegulatory Action Level	NANot Analyzed		zed	NRNot Required		PPB…Parts per Billion (ug/l)			TOCTotal Organic Carbon		
MFLMillion Fibers Per Liter	n/a…Not Applicable			NTUNephelometric Turbidity Un	PPMParts per Million (mg/l)			TTTreatment Technique			
MOMonitored Only	NDNon-Detected		cted	PDWSPrimary Drinking Water Standard		PPTParts per Trillion (ng/l)			WTPWater	Treatment Plan	
MPNMost Probable Number	NLNotification Level pCi			pCi/LPico Curies per Liter RLRes			ponse Level				
PARTS PER MILLION (PPM) OR	MILLIGRAMS F	PER LITER	R (mg/L)				In 2021, SC	WA blended	its water for th	he CSA/SSA	
	U 1	· · · ·		easurement to determine the amoun time, the following time frames wou			water from Plant, 69	its Vineyard % from the C	oproximately 3 Surface Water ity of Sacrame	r Treatment ento, and	
1 milligram per liter (mg/L) 1 microgram per liter (μg/L) 1 nanogram per liter (ng/L) 1 picogram per liter (pg/L)	or or or or	or1 part per million (PPM)=1 second in 11.5 days(34) groundwator1 part per billion (PPB)=1 second in nearly 32 yearsplants (WTPor1 part per trillion (PPT)=1 second in nearly 32,000 yearsregarding this					ly 62% groundwater from its thirty-four vater wells and nine (9) water treatment TPs). For more detailed information his report or SCWA water quality, call aron Wyley @ (916) 875-5815.				
FEDERAL UNREGULATED CONTAM		RING RUL	E (UCMR 4) -	Established by USEPA (See Note 17	)						
	SAMPLE		Minimum Reporting				ION SYSTEM		E WATER	GROUND	
CHEMICAL	DATE	UNITS	Level	MAJOR SOURCES IN DR		RANGE	AVERAGE	RANGE	WTD. AVG.	RANGE	
Manganese Germanium	2018 - 2019 2018 - 2019	PPB PPB	0.4	Leaching from natura	al deposits	NA	NA NA	ND - 1.2 ND	0.3 ND	ND - 25 ND - 1.9	
Bromide	2018 - 2019	PPB	0.3 n/a			NA	NA	ND - 25	5	ND - 1.9 NA	
18. Total Organic Carbon	2018 - 2019	PPM	n/a	Various natural and man	NA	NA	1.4 - 2.8	1.96	NA		
HAA5	2018 - 2019	PPB	n/a	Byproduct of drinking wa	0.24 - 22	11.6	NA	NA	NA		
HAA6Br	2018 - 2019	PPB	n/a	Byproduct of drinking wa	ND - 4.95	2.73	NA	NA	NA		
HAA9	2018 - 2019	PPB	n/a	Byproduct of drinking wa	ter disinfection	0.24 - 25.45	14.06	NA	NA	NA	
Cyanotoxins (see Note 19)				Additional Chemical Contamina	nts						
Total Microcystin	Microcystin-R	R		Germanium	Tebuconazole		Oxyfluorfen			o-toluidine	
Microcystin-LA	Microcystin-Y	R		Manganese	Dimethipin		1-butanol			quinoline	
Microcystin-LF	Nodularin			Alpha-hexachlorocyclohexane Total Permethrin (cis-		is- & trans-)	& trans-) 2-propen-1-ol			HAA5	
Microcystin-LR				Profenofos Ethoprop			2-methoxyethanol			HAA6Br (see No	
Microcystin-LY	Cylindrospermopsin			Chlorpyrifos	· ·			butylated hydroxyanisole HAA9			
NOTES:	· ·	•									

17. The Fourth Unregulated Contaminants Monitoring Rule (UCMR 4 / 2018 - 2019 Monitoring) with Notification Levels help determine where certain contaminants occur and whether they need to be regulated.

18. According to UCMR4, the two indicators (TOC & Bromide) need to be monitored at the source water intake (raw water) for surface water (i.e., the Sacramento River).

19. SCWA is required by the fourth Federal UCMR to monitor for ten (10) cyanotoxins at the entry point to the distribution system during a 4-consecutive month period, according to the list of constituents above. SCWA was also required to monitor for twenty (20) additional chemical contaminants at the entry point to the distribution system and indicators (TOC & Bromide) during a 12-month perod. The Haloacetic Acids (HAAs) need to be monitored in the distribution system. For more information about the Federal UCMR4, go online at https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule

The HAAs (HAA5, HAA6Br & HAA9) each comprise of a different combination of the Haloacetic Acids Chlorodibromoacetic acid, Dichloroacetic acid, Monochloroacetic acid, Bromochloroacetic acid, Dibromacetic Monobromoacetic acid, Tribromoacetic acid, Bromodichloroacetic acid and Dibromochloroacetic acid.

#### DEFINITIONS

Average: The annual average of all tests for a particular substance

Detection Limit for Reporting: The limit at or above which a contaminant is detected

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible

Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use

of disinfectants to control microbial contaminants

Primary Drinking Water Standards (PDWS): MCLs, MRDLs and treatment techniques (TTs) for contaminants that affect health, along with their monitoring and reporting requirements

Public Health Goal (PHG). The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Range (Lo - Hi): The range between the lowest and highest values of a specific substance measured throughout the course of the year.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Weighted Average (WTD AVG): An average of water quality samples in which each sample is assigned a weight. Each sample's contribution (or weight) is based on the amount of water the corresponding water source produces

for the whole system. Instead of each of the sample results contributing equally to the final average, some of the results contribute more than others.

# 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 U.S. SCWA's monitoring indicates the presence of these organisms in our source water, which is the Sacramento River. Between May 2015 and April 2017 SCWA took monthly samples for Giardia and Cryptosporidium, as well as turbidity and E. coli. Of the 24 samples taken, only one detected the presence of these organisms. The results ranged from nondetect (ND) to 0.182 Oocysts per liter. The maximum average is below the threshold of 0.075 oocysts per liter. SCWA's surface water is 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. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Ingestion of Cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immune-compromised people, infants and small children and the elderly are at greater risk of developing life-threatening illness. We encourage immune-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

### SOURCE WATER ASSESSMENT

To help protect the quality of existing and future groundwater supplies, the Drinking Water Source Assessment and Protection (DWSAP) program calls for examining the vulnerability of drinking water sources to potential contamination. The Water Agency completed its latest comprehensive report in May 2019. The Water Agency's report identified the following potential contamination results:

### Arden Park Vista & Northoate:

Most vulnerable to commercial types of activities such as the dry cleaning business, gas stations, a sewer collection system and a leaking underground storage tank, electronic manufacturers and photo processors.

### Central & South Service Area (CSA & SSA)

Most vulnerabe to activities including automobile-gas stations; boat services/ repair/ refinishing; chemical/ petroleum pipelines; dry cleaners; fleet/ truck/ bus terminal; grazing; historic waste dumps/ landfills; leaking underground storage tanks; other animal operations; pesticides/ fertilizer/ petroleum storage transfer areas; plastics/ synthetics producers; research laboratory; wells-agricultural/ irrigation types; wells-oil, gas, and geothermal types; wood preserving/ treating and

sewer collection systems

### Hood, East Walnut Grove and Delta Estates:

Most vulnerable to irrigated crops and septic systems.

## North Service Area (NSA):

Most vulnerable to commercial types of activities such as grazing, known contaminant plumes, low-density septic systems, sewer collection systems and wells-agricultural irrigation types