Water Quality In Guadalupe

The City of Guadalupe is working to produce the highest quality drinking water for our customers.

The City receives water from two sources — ground water wells (from underground aquifers), and State surface water (through membership with Central Coast Water Authority). Both sources are monitored and assessed in accordance with government standards and monitoring requirements. Checking water quality and identifying potential problems is one of our primary goals. We are proud to say that the water delivered to your home in 2013 complied with all State and Federal drinking water requirements.

The City prepares an annual report to inform customers of the quality of water being delivered. This report contains data from January 1, 2013 to December 31, 2013 testing results. It shows that the water delivered to your home complied with regulatory standards and is reliable for domestic use.

For more information about this report or for questions about any topic related to water and water quality, please contact Jaime Vidales, City of Guadalupe Water Department Supervisor, at (805) 356-3890.

Este informe contiene información importante sobre su agua de beber y como cumple con los estándares estatales y federales. Tradúzcalo o hable con alguien que lo entienda bien. Si no encuentra la manera de entender este reporte, por favor contacte a Jaime Vidales del departamento de agua de la Ciudad de Guadalupe al (805) 356-3890.



City of Guadalupe Water Pumping Station

The City of Guadalupe water system consists of two pumping stations, active and standby wells, three water storage tanks, and various water mains. Safe treatment and distribution of water is our daily goal. Maintaining pumping stations, tanks, and water mains is vital to achieving that goal. The City also has security measures in place to ensure that our water supply is delivered to our residents safely and efficiently.



New Elevated 100K gal Reservoir

City of Guadalupe 2013

WATER QUALITY REPORT



This report provides information regarding the quality of drinking water for the City of Guadalupe during 2013. Included are details about where your water comes from, what it contains, and how it compares to established, drinking water standards.



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CITY OF GUADALUPE WATER SOURCE DETECTIONS (FROM ACTIVE WATER WELLS)

		TADIE	1 CAMPIINO	DECLIT	C EOD M	TCD	ODIOI O	TICAL CO	NIT A NATRI A TION			
Microbial Contaminan		Highest No. o		- SAMPLING RESULTS FOR MICROBIOLOGICAL CONTAMINATION								
Microbial Contaminant		Detections in month			MCL				PHG (MCLG)	Major Sources of Bacteria		
Total Coliform Bacteria		1	0				ly Samples Pos		(0)	Natural Present in the Environment		
Fecal Coliform or E.coli		0	0	A routin	A routine sample and repeat sample detecting positive coliform, and either sample detects					Human and animal fecal waste		
			TABLE 2-	SAMPLIN	C RESIII			AND COP	PFR			
Lead and	*Date	No. of Sample			No. of S		AL	PHG		Source of Contaminant		
Copper		Collected	detec		Exceeding		15 (N	(MCLG)	CLG)			
Lead (ppb)	Lead (ppb) 8/2011 20		NI)	0			0.2	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits			
Copper (ppb)	8/2011	20	11	0	0		1300	300	Internal corrosion of h	ousehold plumbing systems; erosion of		
			TABLE 2 GAR	ADI ING I	TOTIL TO	FOE	CODIU	# A NID TT A		leaching from wood preservatives		
Chemical or Constituent (and reporting units)		*Sample Date	Average Level Detected	Range of I	Detections	ľ	MCL	PHG (MCLG)	CLG)			
Sodium (ppm)		3/15/11	42	4:			None	None		ter and is generally naturally occurring		
Hardness (ppm)		3/15/11	420	42	0		None	None		cations present in the water, generally um, and are usually naturally occurring		
	TABLE	4 – SAMPLIN	G RESULTS C	F CONTA	MINANT	rs w	ITH PRIN	MARY DR	INKING WATER			
Chemical		*Sample Date	Average Level	Range of	MC	CL	PHG		Major Sources	in Drinking Water		
constituent (and units)	d reporting		Detected	Detections	;		(MCLG)					
Total Trihalom	nethanes	1-8-13, 4-9-13,	26.3	14.8 – 35.2	80)	N/A		By-product of dri	nking water disinfection		
(ppb) Haloacetic Acid	ds (ppb)	7-16-13 1-8-13, 4-9-13,	7.25	4.1 – 10.3	60)	N/A		By-product of drinking water disinfection			
	••	7-16-13							7.			
Arsenic (ppb)		3/15/11	ND	ND ND		.004		Eros	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes			
Fluoride (ppm)		3/15/11	0.21	0.21	2.0	0	1	Erosion o	Erosion of natural deposits; water additive that promotes strong teeth; discharge			
Nitrate as NO3 (ppm)		11/12/13	ND	ND	45	5	45	Runoff a	from fertilizer and aluminum factories Runoff and leaching from fertilizer use; leaching from septic tanks and sewage;			
Nitrite as N (ppb)		3/15/11	480	480 480		1000 1000		Runoff a	erosion from natural deposits Runoff and leaching from fertilizer use; leaching from septic tanks and sewage;			
Total Chlorine Residual		Daily	1.56	1.17 – 1.80		MRDL = MRDLG = 4.0		.0	erosion from natural deposits Drinking water disinfectant added for potable water treatment			
(ppm) Uranium (pCi/L)		4/26/11	(RAA) 2.7	2.7	4.0		0.43		Erosion of natural deposits			
Gross Alpha (pCi/L)		3/1/11, 8/2/11	5.2	4.5 – 5.9	15	5	(0)		Erosion of natural deposits			
		*						NDARY D	RINKING WATE	*		
Chemical or constituent (and reporting		*Sample Date	Average Level Detected	Range of Detections	MC		PHG (MCLG)			in Drinking Water		
units) Chloride (ppm)		3/15/11	19	19	50	500 N/A			Runoff/leaching from natural deposits; seawater influence			
Color (ACU)		3/15/11	ND	ND	15	5	N/A		Natural -occur	ring organic materials		
MBAS(ppb)		3/15/11	ND	ND	50		N/A		Municipal and industrial waste discharges			
Iron (ppb)		3/15/11	ND	ND	30	0	N/A		Leaching from natura			
Manganese (ppb) Odor Threshold (TON)		3/15/11								l deposits; industrial wastes		
	u (ION)		ND	ND 1	50		N/A		Leaching fro	om natural deposits		
	uctance	3/15/11	1	1	3		N/A N/A		Leaching fro Naturally-occur	*		
Specific Condu (µmho/cn	n)	3/15/11 3/15/11	940	1 940	3 160	00	N/A N/A N/A		Leaching from Naturally-occur Substances that form ions v	om natural deposits ring organic materials when in water; seawater influence		
Specific Condu (µmho/cn Sulfate (pp	m) om)	3/15/11 3/15/11 3/15/11	1 940 280	1 940 280	3 160 50	00	N/A N/A N/A N/A		Leaching from Naturally-occur Substances that form ions we Runoff/leaching from natural states and the states are states as a substance of the states are states as a	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes		
Specific Condu (µmho/cn Sulfate (pp Total Dissolved	m) om)	3/15/11 3/15/11	940	1 940	3 160	00	N/A N/A N/A		Leaching from Naturally-occur Substances that form ions we Runoff/leaching from natural states and the states are states as a substance of the states are states as a	om natural deposits ring organic materials when in water; seawater influence		
Specific Condu (µmho/cn Sulfate (pp	m) om) d Solids	3/15/11 3/15/11 3/15/11	1 940 280	1 940 280	3 160 50	000000000000000000000000000000000000000	N/A N/A N/A N/A		Leaching fro Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes		
Specific Condu (µmho/cn Sulfate (pp Total Dissolved (ppm)	m) om) d Solids	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11	1 940 280 640 ND	1 940 280 640 ND	3 160 50 100	0 00	N/A N/A N/A N/A N/A N/A	TED CONT	Leaching from Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes from natural deposits		
Specific Condu (µmho/cn Sulfate (pp Total Dissolved (ppm)	n) pm) d Solids NTU)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11	1 940 280 640	1 940 280 640 ND	3 160 50 100	00 0 00 UNR	N/A N/A N/A N/A N/A N/A	IED CONT	Leaching from Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching So CAMINANTS	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes from natural deposits		
Specific Condu (µmho/cn Sulfate (pp Total Dissolved (ppm) Turbidity (N	n) om) d Solids NTU)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11	1 940 280 640 ND	1 940 280 640 ND	3 160 50 100 5 5 ULTS OF MC	00 0 00 UNR	N/A N/A N/A N/A N/A N/A N/A REGULA		Leaching from Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching So CAMINANTS	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes t from natural deposits oil runoff		
Specific Condu (µmho/cn Sulfate (pp Total Dissolvee (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p	m) om) d Solids NTU) l or d reporting ppm)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 TAF Sample Date	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210	1 940 280 640 ND ING RES Range of Detections	3 160 50 100 5 5 WLTS OF MC	000 000 UNR	N/A		Leaching fro Naturally-occur Substances that form ions v Runoff/leaching from na Runoff/leaching Sc CAMINANTS Major Sources	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes t from natural deposits oil runoff		
Specific Condu (µmho/en Sulfate (pp Total Dissolvet (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p Bicarbonate (m) om) d Solids NTU) l or d reporting ppm) (ppm)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 TAF Sample Date 3/15/11 3/15/11	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210 260	1 940 280 640 ND ING RESI Range of Detections 210 260	3 160 50 100 100 5 MC 100 MC 1	UNR	N/A		Leaching fro Naturally-occur Substances that form ions w Runoff/leaching from nate Runoff/leaching So CAMINANTS Major Sources Runoff/leaching from nate	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes tirring training t		
Specific Condu (µmho/cn Sulfate (pp Total Dissolvee (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p	m) om) d Solids NTU) l or d reporting ppm) (ppm) pm)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 TAF Sample Date	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210	1 940 280 640 ND ING RES Range of Detections	3 160 50 100 100 100 100 100 100 100 100 100	UNR	N/A		Leaching fro Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching Sc CAMINANTS Major Sources Runoff/leaching from nature Runoff/leaching from nature Runoff/leaching from nature rindustrially-influenced b	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes t from natural deposits iil runoff iin Drinking Water ural deposits; seawater influence		
Specific Condu (µmho/cn Sulfate (pp Total Dissolvet (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p Bicarbonate (Calcium (p) Corrosivity Magnesium (m) om) d Solids NTU) l or d reporting ppm) (ppm) pm) (SI) (ppm)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 Non-Corrosive 3/15/11	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210 260 120 Non-Corrosive 40	1 940 280 640 ND ND ING RESI Range of Detections 210 260 120 Non-Corrosiv 40	3 160 50 100 5 ULTS OF MC N/, N/, N/, N/, N/, N/, N/, N/, N/, N/	UNR CL AA AA AA	N/A		Leaching fro Naturally-occur Substances that form ions w Runoff/leaching from nat Runoff/leaching Sc CAMINANTS Major Sources Runoff/leaching from nature Runoff/leaching from nature Runoff/leaching from nature industrially-influenced b the water; affected by t Runoff/leaching from nature	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes if from natural deposits oil runoff in Drinking Water aral deposits; seawater influence aral deposits; seawater influence alance of hydrogen, carbon and oxygen in emperature and other factors. aral deposits; seawater influence		
Specific Condu (µmho/en Sulfate (pp Total Dissolvet (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p Bicarbonate (Calcium (p) Corrosivity Magnesium (pH (unit)	m) m) d Solids NTU) l or d reporting ppm) (ppm) ppm) (SI) (ppm) s)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 Non-Corrosive 3/15/11 3/15/11	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210 260 120 Non-Corrosive 40 7.7	1 940 280 640 ND ND ING RES Range of Detections 210 260 Non-Corrosiv 40 7.7	3 160 50 100 100 100 100 100 100 100 100 100	UNR L A A A A A	N/A		Leaching fro Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching Sc CAMINANTS Major Sources Runoff/leaching from nature Runoff/leaching from nature industrially-influenced by the water; affected by the Runoff/leaching from nature	m natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes of from natural deposits oil runoff in Drinking Water tral deposits; seawater influence alance of hydrogen, carbon and oxygen in emperature and other factors. tral deposits; seawater influence alance of seawater influence aral deposits; seawater influence		
Specific Condu (µmho/cn Sulfate (pp Total Dissolvet (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p Bicarbonate (Calcium (p) Corrosivity Magnesium (m) m) d Solids STU) I or d reporting ppm) ((ppm) pm) ((SI) ((ppm) s) (ppm)	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 Non-Corrosive 3/15/11 3/15/11 3/15/11 3/15/11	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210 260 120 Non-Corrosive 40 7.7 2.3	1 940 280 640 ND ND ING RES Range of Detections 120 Non-Corrosiv 40 7.7 2.3	3 160 50 100 100 100 100 100 100 100 100 100	OO	N/A	Natural	Leaching fro Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching from nator industrially-influenced between the water; affected by t Runoff/leaching from nature to industrially-influenced between the water; affected by t Runoff/leaching from nature Runoff/leaching from Runoff/	m natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes of from natural deposits of runoff in Drinking Water tral deposits; seawater influence		
Specific Condu (µmho/en Sulfate (pp Total Dissolvete (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p Bicarbonate (Calcium (p) Corrosivity Magnesium (pH (unit Potassium (p Chemical constituent (and	m) om) d Solids NTU) l or d reporting ppm) (ppm) pm) ((SI) (ppm) ppm) TABLE	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 Non-Corrosive 3/15/11 3/15/11 3/15/11 3/15/11	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210 260 120 Non-Corrosive 40 7.7 2.3	1 940 280 640 ND ND ING RES Range of Detections 120 Non-Corrosiv 40 7.7 2.3	3 160 50 100 5 ULTS OF MC N/,	UNR CL A A A A A A A A A	N/A	Natural	Leaching fro Naturally-occur Substances that form ions v Runoff/leaching from nat Runoff/leaching Sc CAMINANTS Major Sources Runoff/leaching from nature Runoff/leaching from nature industrially-influenced by the water; affected by the water; affected by the water and the water an	m natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes of from natural deposits of runoff in Drinking Water tral deposits; seawater influence		
Specific Condu (µmho/cn Sulfate (pp Total Dissolvet (ppm) Turbidity (N Chemical constituent (and units Alkalinity (p Bicarbonate (Calcium (p) Corrosivity Magnesium (pH (unit Potassium (p	m) m) d Solids NTU) l or d reporting ppm) (ppm) pm) (sSi) ppm) TABLE l or d reporting	3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11 3/15/11	1 940 280 640 ND SLE 6 - SAMPI Average Level Detected 210 260 120 Non-Corrosive 40 7.7 2.3 NG RESULTS (Average Level	1 940 280 640 ND ING RES Range of Detections 210 260 120 Non-Corrosiv 40 7.7 2.3 DF UNREC Range of	3 160 50 100 5 ULTS OF MC N/,	UNF CL AA	N/A	Natural Natural ANTS WI Babies of	Leaching fro Naturally-occur Substances that form ions w Runoff/leaching from nat Runoff/leaching Sc CAMINANTS Major Sources Runoff/leaching from nature industrially-influenced between the water; affected by the water; affected by the water; affected by the water industrially-influenced between the water industrial indus	m natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes of from natural deposits of rind prinking water aral deposits; seawater influence alance of hydrogen, carbon and oxygen in emperature and other factors. aral deposits; seawater influence		
Specific Condu (µmho/en Sulfate (pp Total Dissolvet (ppm) Turbidity (N Chemical constituent (an units Alkalinity (p Bicarbonate (Calcium (p Corrosivity Magnesium (pH (unit Potassium (j Chemical constituent (ane units	m) m) d Solids STU) l or d reporting ppm) (ppm) pm) (ss) ppm) TABLE or d reporting	3/15/11 3/15/11	1 940 280 640 ND BLE 6 - SAMPI Average Level Detected 210 260 120 Non-Corrosive 40 7.7 2.3 NG RESULTS (Average Level Detected	1 940 280 640 ND ING RES Range of Detections 210 260 120 Non-Corrosiv 40 7.7 2.3 DF UNREC Range of Detections	3 160 50 100 5 ULTS OF MC N/,	UNF UNF LL AA A	N/A	Natural Natural Babies of the n Babies of	Leaching fro Naturally-occur Substances that form ions w Runoff/leaching from nat Runoff/leaching from nator Indicate the substances of substances that form ions w Runoff/leaching from nator industrially-influenced be the water; affected by the Runoff/leaching from nator industrially-influenced be the water; affected by the Runoff/leaching from nator Runoff/leaching from pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women who offication level may have a based on studies of some pregnant women w	om natural deposits ring organic materials when in water; seawater influence tural deposits; industrial wastes if from natural deposits iil runoff iin Drinking Water tral deposits; seawater influence tral deposits; seawater influence alance of hydrogen, carbon and oxygen in emperature and other factors. tral deposits; seawater influence		

^{*} The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

NOTE: All results represent raw water from our active water wells, except microbiological, Lead and Copper, Trihalomethanes and Haloacetic Acids, and Chlorine Residuals, which were taken at various distribution points within the city.

PURCHASED SURFACE WATER CENTRAL COAST WATER AUTHORITY

			CE	NIKA	L COAS	T WATER		1 Y	
		a		g		TREATED	SOURCE		
Parameter	Units	State	PHG (MCLC)	State DLR	Range	CCWA PPWTP	STATE WATER	Major Sources in Drinking Water	
PRIMARY STANDARDS—!	//andator	MCL v Health-Re	(MCLG)		Average	rrwir	WAIEK		
Clarity (a)	rundator	y medicin me	inten Standt	ir us					
Combined Filter Effluent	NTU	TT=<1 N	NTU every 4	hours	Range	0.04 - 0.13	NA	Soil runoff	
Turbidity			of samples <0		%	100%	NA		
INORGANIC CHEMICALS									
Aluminum	ppm	1 (b)	0.6	0.05	Range	ND – 0.15	ND - 0.096	Residue from water Treatment process; Erosion of natural	
					Average	0.083	0.043	deposits	
Arsenic, Total	ppb	10	0.004	2	Range	ND	2.8	Erosion of natural deposits; runoff from orchards; glass and	
		10			Average	ND	2.8	electronics production wastes	
Nitrate as Nitrogen	ppm	10	10	0.4	Range	0.41	ND	Runoff and leaching from fertilizer use; leaching from septic	
DADIONUCI IDEC					Average	0.41	ND	tanks and sewage; erosion from natural deposits	
RADIONUCLIDES Gross Alpha Particle	pCi/L	15	(0)	3	Range	ND - 3.9	ND - 3.7	Erosion of natural deposits	
Gross Aipha i article	pCI/L	13	(0)	3	Average	2.0	1.9	Elosion of natural deposits	
Uranium	pCi/L	20	0.43	1	Range	ND	1.0	Erosion of natural deposits	
- ·· 	F 3.12		1	1	Average	ND	1.0		
DISTRIBUTION SYSTEM N	IONITO	RING	1	1	rivorage	110	1.0	<u> </u>	
Total Chlorine Residual	ppm	MRDL=	MRDL	NA	Range	1.2 – 3.5	NA	Measurement of the disinfectant used in the production of	
	FF	4.0	G=4.0		Average	2.2	NA	drinking water	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	ND – 75	NA	By-product of drinking water chlorination	
	<u> </u>	<u> </u>		<u> </u>	Average	52	NA	<u> </u>	
Haloacetic Acids (d)	ppb	60 (e)	NA	NA	Range	10 - 34	NA	By-product of drinking water chlorination	
					Average	18	NA		
SECONDARY STANDARDS	—Aesthe	tic Standard	_						
Chloride	ppm	500	NA	NA	Range	45 – 136	41 – 134	Runoff/leaching from natural deposits; seawater influence	
					Average	90	86		
Color	ACU	15	NA	NA	Range	ND	15	Naturally-occurring organic materials	
Iron, Total		300	NA	100	Average	ND ND	15 80	Balance of hydrogen, carbon, & oxygen in water, affected b	
iron, iotai	ppb	300	NA	100	Range Average	ND ND	80	temperature & other factors	
Odor Threshold	TON	3	NA	1	Range	ND - 1	ND - 8	Naturally-occurring organic materials	
Odor Tineshold	1011	3	1171		Average	ND	1.5	radially occurring organic materials	
Specific Conductance	μmho	1600	NA	NA	Range	366 – 715	308 - 634	Substances that form ions when in water; seawater influence	
•	s/cm				Average	569	523		
Sulfate	ppm	500	NA	0.5	Range	36	38	Runoff/leaching from natural deposits; industrial wastes	
					Average	36	38		
Total Dissolved Solids	ppm	1000	NA	NA	Range	218 - 423	182 - 375	Runoff/leaching from natural deposits	
(TDS)					Average	336	309		
Turbidity (Monthly)	NTU	5	NA	NA	Range	0.04 - 0.17	0.45 - 5.8	Soil runoff	
					Average	0.06	1.6		
ADDITIONAL PARAMETE	 		NY A	NT A	D.	60 00	60.06	Description of the second of t	
Alkalinity (Total) as	ppm	NA	NA	NA	Range	60 – 90	60 – 96	Runoff/leaching from natural deposits; seawater influence	
CaCO ₃ equivalents Calcium	nem	NA	NA	NA	Average Range	72 34 – 78	78 32 – 80	Runoff/leaching from natural deposits; seawater influence	
Calcium	ppm	INA	11/7	INA	Average	54 – 78 54	54	Kunon/reaching from natural deposits, seawater fillidence	
Hardness (Total) as CaCO ₃	ppm	NA	NA	NA	Range	76 – 150	76 – 156	Leaching from natural deposits	
ancos (1 otal) as CaCO3	PP	1 111	. 12 1	1121	Average	111	111		
Heterotrophic Plate Count	CFU/	TT	NA	NA	Range	0-2	NA	Naturally present in the environment	
(f)	mL				Average	0.4	NA		
Magnesium	ppm	NA	NA	NA	Range	10	13	Runoff/leaching from natural deposits; seawater influence	
					Average	10	13		
pН	pН	NA	NA	NA	Range	7.4 - 8.6	7.5 – 9.5	Runoff/leaching from natural deposits; seawater influence	
	Units				Average	8.3	8.6		
Potassium	ppm	NA	NA	NA	Range	2.4	3.0	Runoff/leaching from natural deposits; seawater influence	
					Average	2.4	3.0	D 000 11 0	
Sodium	ppm	NA	NA	NA	Range	42	55	Runoff/leaching from natural deposits; seawater influence	
T-4-1 O		TT	NY A	0.20	Average	42	55	Wasiana water alam da waxaya d	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range Average	1.7 – 3.2 2.4	2.4 – 6.1 3.7	Various natural and manmade sources	

AL = Regulatory Action Level
ACU = Apparent Color Units
CCWA= Central Coast Water Authority
CFU/ml = Colory Forming Units per milliliter
DHS = Department of Health Services
DLR = Detection Level for purposes of Reporting
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
MFL = Million Fibers per Liter
MRDL = Maximum
MRDLG = Maximum
RSDLG = Maximum
RSDLG = Maximum
RSDLG = Maximum
RSDLG = Maximum

NA = Not Applicable
NC = Not Collected
NL = Notification Level

NTU = Nephelometric Turbidity Units pCUIL = PicoCuries per litter PHG = Public Health Goal pb = parts per billion, or micrograms per litter (µg/L) ppm = parts per million, or milligrams per litter (mg/L) PPWTP = Polonio Pass Water Treatment Plant SI = Saturation Index

ST = Saturation Hoose
TOC = Total Organic Carbon
TT = Treatment Technique
UCMR = Unregulated Contaminant Monitoring Regulation
µmho/cm = micromhos per centimeter (unit of specific conductance of water).

⁽TOC) (g)

Footnotes: Abbreviations

(a) Turbidity (NTU) is a measure of the cloudiness of the water and it is a good indicator of the effectiveness of our filtration system. Monthly turbidity values are listed in the Secondary Standards section.

(b) Aluminum has a Secondary MCL of 200 ppb.

(c) Total coliform MCLs: No more than 5.0% of the monthly samples may be Total Coliform positive. Fecal coliform/E. coli MCLs: The occurrence of 2 consecutive Total Coliform positive samples, one of which contains fecal coliform/E. coli, constitutes an acute MCL violation.

(d) Compliance based on the running quarterly annual average of distribution system samples.

(e) Monochloroacetic Acid (MCAA) has a DLR of 2.0 ug/L while the other four Haloacetic Acids have DLR's of 1.0 ug/L.

(f) Pour plate technique – monthly averages.

(g) TOCs are taken at the treatment plant's combined filter effluent. pCi/L = PicoCuries per liter

(h) State MCL is 45 mg/L as nitrate, which equals 10 mg/L as N. PHG = Public Health Goal

WHERE DOES YOUR WATER COME FROM?

The sources of safe drinking water (both tap water and bottled water) include rivers, streams, reservoirs, springs, and wells. As water travels over the surface of the earth or through the ground, it dissolves naturally occurring minerals and in some cases hazardous materials. It can also pick up substances resulting from human activity or the presence of animals.

In 2013, the City of Guadalupe drew 70% well water from our active wells here in the city, and 30% surface water from the State water project (Central Coast Water Authority). Water from our wells is treated at our distribution center then mixed in our tank for distribution. Water from State project is treated at the Polonio Pass Water Treatment Plant, and delivered directly to our tank. For more details on the treatment process of the State water project, please call the City of Guadalupe Water Department Supervisor at (805) 356-3890.

Contaminants that may be present in source water include:

- Microbial Contaminants, such as viruses and bacteria that may come from septic systems, sewage treatment plants, agricultural livestock, and wildlife.
- Inorganic contaminants, such as salts and metals that can be naturally-occurring or result from storm water runoff, industrial or domestic wastewater discharge, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agricultural and urban storm water runoff as well as residential use.
- Organic chemical contaminants, including synthetic and volatile organic chemicals that are byproducts of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff, agricultural applications, and septic systems.
- Radioactive contaminants which can be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the United States Environmental Protection Agency (USEPA) and the California Department of Public Health, (CDPH) prescribe regulations that limit the amount of certain contaminants in drinking water provided by public systems. USEPA and CDPH regulations also establish limits for contaminants in bottled water.

Definitions

- Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to public health goals as 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 USEPA.
- 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.

- Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. The 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.
- Primary Drinking Water Standards (PDWS): MCLs or MRDLs for contaminants that affect health along with their monitoring, reporting, and water treatment requirements.
- Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, and appearance of drinking water.
- Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
- Regulatory Action Level (AL): The concentration of a contaminant that a water system must not exceed.

Additional Information on Drinking Water

Drinking water, both tap water and bottled water, may reasonably contain small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a risk to health. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at the number below. Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons such as cancer patients undergoing chemotherapy, persons who have undergone organ transplants, who have HIV/AIDS or other immune system disorders, and some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA and Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by Cryptosporidium or microbial contaminants are available from the Safe Drinking Water Hotline at 800-426-4791 or at www.epa.gov/safewater/resource.

City of Guadalupe-Chemicals Used for Disinfection

The City of Guadalupe uses both chlorine and chloramines as primary forms of disinfection. Chlorine and Chloramines are both state and federally approved forms of disinfection, but unlike chlorine, chloramines minimize disinfection byproduct formation. Another benefit of chloramines is improved taste of the drinking water as compared to chlorine. Chloramines are used by many water utilities. Chloramines have the same effect as chlorine for typical water use with the exception that chloramines must be removed from water used in kidney dialysis and for fish tanks and aguariums. Treatments to remove chloramines from water are different than treatments for removing chlorine. Please contact your physician or dialysis specialist for questions pertaining to kidney dialysis water treatment. Contact your pet store or veterinarian for questions regarding water used for fish and other aquatic life. You may also call 800-111-2222 for additional chloramine information.

City of Guadalupe Water Assessment

An assessment of the drinking water sources for the City of Guadalupe found that they are most vulnerable to the following activities associated with potential contaminants in the water supply – runoff and leaching from fertilizer use plus the erosion of natural mineral deposits.

Detection of Contaminants Summary

Nitrate: Due to high concentrations of Nitrates found in the water from one of our wells in the last few years, including 2013, the City does not regularly use this source and will only use this source in an emergency. Nitrate in drinking water at levels above 45 mg/L is a health risk for infants of less than six months of age. Such Nitrate levels in drinking water can interfere with the capacity of an infant's blood to carry oxygen, resulting in serious illness. Symptoms include shortness of breath and blueness of the skin. Nitrate levels above 45 mg/L may also affect the ability of blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant or you are pregnant, you should ask advice from your health care provider.

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 City of Guadalupe is responsible for providing quality drinking water, but the City cannot control the variety of materials used in plumbing components. If the water in your home has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may want to have your home 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 at 800-426-4791 or at http://www.epa.gov/safewater/lead

Trihalomethanes (THMs) and Haloacetic Acids (HAA5s): The City has been monitoring these contaminants with direction by state regulatory agencies. There is detection of these contaminants in our water. THMs and HAA5s are disinfection byproducts. They are produced when a disinfectant like chlorine or chloramine is added to drinking water and organic matter is present. Some people who drink water containing THMs and HAA5s in excess of the MCL over many years may experience liver, kidney or central nervous problems and may have an increased risk of cancer. For more information on disinfection byproducts please call the Safe Drinking Water Hotline at 800-426-4791 or visit http://water.epa.gov/drink/contaminants/basicinformation/disinfectionbyproducts.cfm

About Water Blending: The City combines well water with State surface water to offset any contaminants that may be present in either source and to ensure that the water delivered to your home meets all State and Federal drinking water requirements.

For questions: Please call Jaime Vidales at the City of Guadalupe Water Department, (805) 356-3890.

Public Participation Opportunities: The Guadalupe City Council meets every 2nd and 4th Tuesday of the month at the Council Chambers located at 918 Obispo St. Guadalupe, CA.