

UNDERSTANDING WATER SAMPLE REPORTS



Signs and indications of problematic water and what to look for:

pH: optimum 6.0-7.0

Hardness: <100 is considered soft water(good), >150 considered highly probable to cause plugging.

Bicarbs: <100 unlikely to be problematic >150 ppm highly probable to interact with hardness and cause scaling.

Iron and Mg: >.10 ppm moderate-severe plugging potential.

*all units in parts per million

Log In #: 3671639		Fieldman: JONATHAN GARCIA			
Grower: [REDACTED]		Date Sampled: 7/27/2016			
Description: [REDACTED]		Date Received: 7/28/2016			
Branch Name: [REDACTED]		Date Analyzed: 8/1/2016			
Sample #: 3					
pH	6.96				
Electrical Conductivity (ECw in dS/m)	0.61				
Sodium Adsorption Ratio (SAR)	2.75				
Adjusted SAR	2.28				
Hardness	126				
Theoretical pH (pHc)	8.31				
Calculated TDS (ppm)	389				
Cations	meq/L	ppm	lbs/ acre-inch	lbs/ acre-foot	% of Total Cations
Calcium (Ca)	1.70	34	8	92	30
Magnesium (Mg)	0.82	10	2	27	14
Potassium (K)	0.10	4	1	11	2
Sodium (Na)	3.09	71	16	193	54
Total Cations	5.71				
Anions	meq/L	ppm	lbs/ acre-inch	lbs/ acre-foot	% of Total Anions
Bicarbonate + Carbonate (HCO3+CO3)	1.00	61	14	166	18
Chloride (Cl)	1.80	64	15	174	33
Sulfate (SO4-S)	2.69	43	10	117	49
Nitrate (NO3-N)	0.04	1	0	1	1
Total Anions	5.53				
Other	ppm	lbs/ acre-inch	lbs/ acre-foot		
Boron (B)	0.22	0.0	0.6		
Iron (Fe)	0.13	0.0	0.3		
Manganese (Mn)	0.01	0.0	0.0		

Bacteria Count (CFU/ml)
100000



PRODUCT SPOTLIGHT

WG 2000

USES: Reservoir remediations and maintenance on wells

HOW IT WORKS: An effective algae control, targets the physiological process and destroys the cell membrane.

USE RATES: 1-17 PPM

WG 4000

USES: Remediation and Maintenance product

HOW IT WORKS: Targets organic fouling and plugging

USE RATES: 1-4 PPM