

Symes Hot Springs Water Analysis

Sample Id	GWIC Id	Sample Date	Site Name	Location	Site Type
2011Q104 0	260113	4/15/2011	SYMES HOT SPRINGS WELL	21N 24W 04 ADCA	WELL

Constituent	This Sample	Drinking Water	Stock Water	Irrigation Water
Calcium (Ca)	0.781 mg/L			
Magnesium (mg)	<0.105 mg/L		2,000 mg/L	
Sodium (Na)	92.800 mg/L	250 mg/L (smcl)	2,000 mg/L	See SAR
Potassium (K)	1.690 mg/L			
Iron (Fe)	<0.005 mg/L	0.3 mg/L		
Manganese (Mn)	<0.001 mg/L	0.05 mg/L		2.0 mg/L
Silica (SiO2)	66.100 mg/L			
Bicarbonate (HC03)	91.710 mg/L			
Carbonate (C03)	48.060 mg/L			
Chloride (Cl)	8.320 mg/L	250 mg/L (smcl)	1,500 mg/L	
Sulfate (S04)	10.320 mg/L	250 mg/L (smcl)	1,500 mg/L	(b)
Nitrate (N03 as N)	0.052 mg/L	10 mg/L (mcl)	100 mg/L	
Fluoride (F)	4.960	4 mg/L (mcl)	2 mg/L	
Ortho-Phosphate (P)	<0.1 mg/L			
Aluminum (Al)	9.270 mg/L	50-200 ug/L		1,000 ug/L
Antimony (Sb)	<0.2 ug/L	6 ug/L (mcl)		
Arsenic (As)	0.303 ug/L	10 ug/L (mcl)	50 ug/L	100 ug/L
Barium (Ba)	0,303 ug/L	2,000 ug/L (mcl)		
Boron (B)	305.00 ug/L			
Cadmium (Cd)	<0,2 ug/L	5 ug/L (mcl)	10 ug/L	5 ug/L
Chromium (Cr)	<0.2 ug/L	100 ug/L (mcl)	1,000 ug/L	100 ug/L
Cobalt (Co)	<0.2 ug/L		1,000 ug/L	50 ug/L
Copper (Cu)	0.935 ug/L	1,300 ug/L (mcl)	500 ug/L	200 ug/L
Lead (Pb)	<0.2 ug/L	15 ug/L (mcl)	50 ug/L	5,000 ug/L
Lithium (Li)	17,800 ug/L			2,500 ug/L
Molybdenum (Mo)	<0.2 ug/L			5 ug/L
Nickel (Ni)	<0,2 ug/L			200 ug/L
Phosphate (P)	<0.025 ug/L			
Selenium (Sa)	2.140 ug/L	50 ug/L (mcl)	50 ug/L	20 ug/L
Silver (Ag)	<0.2 ug/L	100 ug/L (smcl)		
Strontium (Sr)	1.030 ug/L			
Thallium (Tl)	<0.2 ug/L	2.0 ug/L		
Titanium (Ti)	1,100 ug/L			
Uranium (U)	<0.2 ug/L	30 ug/L		
Vanadium (V)	<0.2 ug/L			
Zinc (Zn)	<0.5 ug/L	5000 ug/L(smcl)	24,000 ug/L	2,000 ug/L
Zirconium (Zr)	<0.2 ug/L			