

Water Analysis Report

Soil, Water and Forage Testing Laboratory
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Report generated for:
Combs Well Service
5745 FM 2494
Athens, TX 75751

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Laboratory #: 31244
Customer Sample ID: Campbell
Date Processed: 5/27/2016
Sample from Henderson County
Water Source =Well

Format based on publication SCS-2002-12

Water Use =Domestic

Parameter analyzed	Results	Units	Method	V. Limiting	Limiting	Acceptable
Calcium (Ca)	< 1	ppm	ICP			*****
Magnesium (Mg)	< 1	ppm	ICP			*****
Sodium (Na)	124	ppm	ICP		*****	
Potassium (K)	< 1	ppm	ICP			*****
Boron (B)	0.08	ppm	ICP			*****
Carbonate (CO ₃)	0	ppm	Titr.			*****
Bicarbonate (HCO ₃)	257	ppm	Titr.			*****
Sulfate (SO ₄ ⁻² calculated from total S)	5	ppm	ICP			*****
Chloride (Cl ⁻)	50	ppm	Titr.			*****
Nitrate-N (NO ₃ -N)	< 0.01	ppm	Cd-red.			*****
Phosphorus (P)	0.15	ppm	ICP			*****
pH	8.16		ISE			*****
Conductivity	591	umhos/cm	Cond.			*****
Hardness	0	grains CaCO ₃ /gallon	Calc.			*****
Hardness	7	ppm CaCO ₃	Calc.			*****
Alkalinity	210	ppm CaCO ₃	Calc.		*****	
Total Dissolved Salts (TDS)	439	ppm	Calc.			*****
SAR	25.1		Calc.	N/A		
Iron (Fe)	0.01	ppm	ICP			*****
Zinc (Zn)	< 0.01	ppm	ICP			*****
Copper (Cu)	< 0.01	ppm	ICP			*****
Manganese (Mn)	< 0.01	ppm	ICP			*****
Arsenic (As)	< 0.002	ppm	ICP			*****
Barium (Ba)	0.010	ppm	ICP			*****
Nickel (Ni)	< 0.001	ppm	ICP			*****
Cadmium (Cd)	< 0.001	ppm	ICP			*****
Lead (Pb)	< 0.006	ppm	ICP			*****
Chromium (Cr)	< 0.001	ppm	ICP			*****
Fluoride (F)	0.13	ppm	ICP			*****
Charge Balance (cation/anion*100)	97		Calc.			

ppm=parts per million=milligrams per liter

N/A, not applicable for this water use

Descriptions of each water parameter, potential use issues and target levels are provided in publication SCS-2002-10, Description of Water Analysis Parameters.

ICP, Inductively coupled plasma; Titr., titration; ISE, ion selective electrode; Cd-red., cadmium reduction; cond., conductivity; calc., calculated