

**TABLE 1**  
**ANALYTICAL SUMMARY**  
**Water Well Sample - Peterson Water Well**

Parameter	Water Well Sample				
	Sample Date		CDPHE Standards		
	April 21, 2006	August 21, 2013			
	Result	Result	Domestic Water Supply - Human Health Standards	Agricultural Standards	Units
Arsenic	NA	ND	0.05	0.1	mg/l
Barium	NA	0.008	2.0	NS	mg/l
Cadmium	NA	NA	0.005	0.01	mg/l
Chromium	NA	ND	0.1	0.1	mg/l
Fluoride	0.64	0.46	4.0	2	mg/l
Lead	NA	ND	0.05	0.1	mg/l
Nitrite	ND	ND	1.0	10	mg/l
Nitrate	ND	ND	10.0	100	mg/l
Total Nitrite/Nitrate	ND	ND	10.0	100	mg/l
Selenium	ND	ND	0.05	0.02	mg/l
Silver	NA	NA	0.05	NS	mg/l
Uranium	NA	NA	0.03	NS	mg/l
	Result	Result	Domestic Water Supply - Drinking Water (Secondary) Standards	Agricultural Standards	Units
Chloride	81.4	83	250	NS	mg/l
Copper	NA	NA	1	0.2	mg/l
Iron	0.203	ND	0.3	5	mg/l
Manganese	0.031	0.036	0.05	0.2	mg/l
pH	8.64	8.48	6.5 - 8.5	6.5 - 8.5	No units
Sulfate	690	680	250	NS	mg/l
Total Dissolved Solids	1430	1500	500	*1500	mg/l
Calcium	14.3	15	NS	NS	mg/l
Magnesium	2.74	2.3	NS	NS	mg/l
Potassium	5.06	2.6	NS	NS	mg/l
Sodium	420	500	NS	NS	mg/l
Bromide	NA	1	NS	NS	mg/l
Carbonate	NA	ND	NS	NS	mg/l
Bicarbonate	NA	320	NS	NS	mg/l
Total Alkalinity	NA	320	NS	NS	mg/l
Conductivity	2.245	2.27	NS	NS	mmhos/cm
Sodium Adsorption Ratio	NA	32	NS	NS	No units
Methane	ND	0.03	NS	NS	mg/l

**Notes**

<b>CDPHE Standards</b>	Water Quality Control Commission 5 CCR 1002-41, Regulation No. 41 - The Basic Standards For Groundwater.
<b>mg/l</b>	Milligrams per liter (equals parts per million).
<b>mmhos/cm</b>	millimhos per centimeer
<b>NA</b>	Not analyzed.
<b>ND</b>	Not detected.
<b>NS</b>	No Standard.
<b>**</b>	Health Advisory.
	Human health standard.
	Secondary standard.