

original well

Sample Location: Old Water Well/Monitoring well (Moon 1)
No longer in use

Laboratory Analytical Report Summary

Test Parameter	Units	Analytical Results									
		4th Quarter 2007 11/14/2007	1 st Quarter 2008 02/15/2008	2nd Quarter 2008 06/12/08	3rd Quarter 2008 09/16/08	1st quarter 2009 02/09/09	2nd Quarter 2009 04/01/09	3rd Quarter 2009 07/29/09	4th Quarter 2009 11/18/09	1 st Quarter 2010 02/03/10	1 st Quarter 2010 split
Chloride	mg/l	110	99	95.0	89.0	82.0	87.0	76.0	77.0	80.0	
Fluoride	mg/l			1.9	2.0	1.7	1.3	2.1	2.4	2.5	
Bromide	mg/l			BDL	BDL	BDL	BDL	1.70	1.60	BDL	
Nitrate	mg/l			1.6	1.8	0.29	1.7	0.48	0.86	1.4	
Nitrite	mg/l			0.37	0.12	0.58	BDL	0.77	0.39	0.15	
Sulfate	mg/l	830	720	730	780	740	660	710	710	720	
Ammonia	mg/l			NS	BDL	0.22	BDL	BDL	0.11	0.13	
pH	su		8.21	8.1	7.8	7.8	8.6	8.0	8.2	8.1	
Specific Conductivity	µmhos/cm			2,400	2,500	2,220	2,400	2,400	2,400	240	
Dissolved Solids	mg/l	1600	1600	NS	1,700	1,500	1,600	1,600	1,600	1,600	
Calcium	mg/l			24	25	25	21	24	24	23	
Iron	mg/l			BDL	BDL	BDL	BDL	BDL	BDL	0.26	
Magnesium	mg/l			1.1	1.5	1.6	1.2	1.8	1.7	2	
Manganese	mg/l			0.019	0.036	0.024	BDL	0.021	0.019	0.018	
Selenium	mg/l			0.22	0.12	0.059	0.099	0.041	0.068	0.05	
Potassium	mg/l			2	1.8	1.6	1.4	1.8	1.8	2.7	
Sodium	mg/l			520	530	510	480	520	530	520	
Benzene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Toluene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Ethylbenzene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total Xylene	mg/l	0.0072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methane	mg/l	6.0	11.0	3.0	2.4	5.6	6.7	6.6	3.3	3.6	5.48
Sulfide	mg/l			BDL	BDL	BDL	BDL		BDL	BDL	
Methyl tert-butyl ether (MTBE)	µg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Alkalinity	mg/l			290	280	400	NS	410	370	370	
Alkalinity, Bicarbonate	mg/l			290	NS	NS	NS	NS	NS	NS	
Alkalinity, Carbonate	mg/l			BDL	NS	NS	NS	NS	NS	NS	

Notes:

mg/l = milligrams per liter
µg/l = micrograms per liter
µmhos/cm = micromhos per centimeter
su = standard unit
NTU = nephelometric turbidity units
NS = Not sampled
BDL = below detection limit

Standard Reference Numbers:

Standard 1 = Colorado Department of Public Health and Environment Drinking Water Regulations Maximum Contaminant Levels
Standard 2 = Colorado Department of Public Health and Environment Water Quality Control Commission Ground Water Standards - Human Health Standards
Standard 3 = Colorado Department of Public Health and Environment Water Quality Control Commission Ground Water Standards - Agricultural Standards
Standard 4 = U.S. Environmental Protection Agency National Primary Drinking Water Standards
Standard 5 = U.S. Environmental Protection Agency National Secondary Drinking Water Standards
N/A = No applicable standard exists in referenced regulations.