

Sample Location: Replacement Water Well (Moon 2)

Laboratory Analytical Report Summary

Test Parameter	Units	Analytical Results										
		03/27/2007	06/21/2007	01/16/2008	2nd Quarter 2008 06/12/08	3rd Quarter 2008 09/16/08	1st quarter 2009 02/02/09	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 sample
Chloride	mg/l	160	390	560	220.0	260.0	250.0	220.0	190.0	230.0	150.0	
Fluoride	mg/l	5.1	8.0	6.0	5.9	6.7	6.2	4.4	6.0	6.60	5.30	
Bromide	mg/l	1.2	1.8	9.9	1.7	1.8	1.6	1.5	2.60	2.50	1.00	
Nitrate	mg/l	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	
Nitrite	mg/l	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	
Sulfate	mg/l	280	11	6	190	110	180	190	180	150	310	
Ammonia	mg/l	0.1	BDL	BDL	NS	BDL	BDL	BDL	BDL	0.16	2.7	
pH	su	7.96	8.65	8.55	9.17	7.78	8.18	9.11	8.28	8.53	8.50	
Specific conductance	µmhos/cm	1690	1305	2040	1,460	1,337	1,340	1,460	1,419	1,344	1,600	
Dissolved Solids	mg/l	910	790	1000	810	780	810	810	780	790	970	
Calcium	mg/l	10	11	25	8.7	6.6	8.7	7.5	7.3	7.5	11	
Magnesium	mg/l	0.39	0.38	1.2	0.21	0.15	0.22	0.18	0.17	0.18	0.32	
Manganese	mg/l	0.012	0.014	0.28	BDL	BDL	0.011	0.01	BDL	BDL	0.011	
Selenium	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	0.018	BDL	BDL	BDL	
Potassium	mg/l			1.3	1.3	0.66	0.61	0.54	0.58	BDL	0.78	
Sodium	mg/l	310	300	450	310	260	300	300	280	260	340	
Benzene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Toluene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Ethylbenzene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total Xylene	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methane	mg/l	0.098	0.43	1.3	0.14	1.2	1.5	2.2	0.56	5.7	1.8	3.19
Sulfide	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methyl tert-butyl ether (MTBE)	µg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Alkalinity	mg/l	170	120	68	170	120	170	NS	190	180	220	
Alkalinity, Bicarbonate	mg/l	170	120	68	170	120	NS	NS	NS	180	NS	
Alkalinity, Carbonate	mg/l	BDL	BDL	NS	BDL	BDL	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.