

M1990-057

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LEADVILLE MILL

13815 US Highway 24

Leadville, CO 80461

Groundwater Test Results**Table 1: MW-2 (Southwest)**

Analyte	2014-Q4 16-Dec-14	2015-Q1 27-Mar-15	2015-Q2 30-May-15	2015-Q3 11-Jul-15	2015-Q4 05-Oct-15	2016-Q1 25-Jan-16	2016-Q2 26-Jun-16	2016-Q3 28-Sep-16	2016-Q4 30-Oct-16	2017-Q1 27-Mar-17	2017-Q2 26-Jun-17	2017-Q3 23-Sep-17	2017-Q4 4-Dec-17	2018-Q1 24-Mar-18
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Method: 200.8 ICP/MS, Protocol: EPA														
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.032	0.072	0.110	0.140	0.170	0.100	0.078	0.047	0.080	0.052	0.036	0.036	0.048	0.062
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	0.001	ND	ND	0.001	0.001	0.001	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.001	0.048	0.028	0.031	0.039	0.039	0.065	ND	0.041	0.130	0.008	0.052	0.041	0.048
Cobalt	0.001	ND	0.001	0.002	0.002	0.001	0.002	ND	ND	ND	ND	ND	ND	ND
Copper	0.009	0.010	0.010	0.001	0.002	0.007	0.011	ND	0.006	0.016	0.004	0.016	0.009	0.018
Lead	0.001	0.010	0.015	0.002	0.003	0.011	0.008	0.002	0.009	0.007	0.003	0.005	0.005	0.008
Manganese	0.090	0.160	0.300	0.540	0.630	0.330	0.370	0.021	0.220	0.170	0.100	0.100	0.110	0.240
Molybdenum	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	0.005	0.005	0.005	0.006	0.007	0.004	0.005	ND	0.003	0.005	ND	0.002	ND	0.003
Selenium	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.005	0.002	0.002	0.002	0.002	0.002	0.005
Vanadium	0.001	ND	ND	0.007	0.006	ND	0.009	ND	ND	ND	ND	ND	ND	ND
Zinc	0.015	0.048	0.054	0.072	0.095	0.047	0.038	0.011	0.035	0.028	0.015	0.026	0.035	0.046
Method: 9012A Total and/or Amenable, Protocol: SW846														
Cyanide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detectable

Table 2: MW-3 (Northeast)

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Analyte	2014-Q4 16-Dec-14	2015-Q1 27-Mar-15	2015-Q2 30-May-15	2015-Q3 11-Jul-15	2015-Q4 05-Oct-15	2016-Q1 25-Jan-16	2016-Q1 25-Jan-16	2016-Q3 28-Sep-16	2016-Q4 30-Oct-16	2017-Q1 27-Mar-17	2017-Q2 26-Jun-17	2017-Q3 23-Sep-17	2017-Q4 4-Dec-17	2018-Q1 24-Mar-18
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Method: 200.8 ICP/MS, Protocol: EPA														
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	0.036	0.043	0.065	0.120	0.058	0.056	0.060	0.087	0.042	0.044	0.045	0.038	0.037	0.045
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	0.003	ND	ND	0.003	ND	ND	ND	0.061	ND	ND	ND	ND	ND	ND
Cobalt	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	0.003	ND	ND	0.006	0.002	0.003	0.005	0.008	ND	0.004	0.002	0.003	0.003	0.079
Lead	ND	0.001	0.003	0.011	0.004	0.003	0.006	0.011	0.001	ND	0.001	0.001	0.001	0.015
Manganese	0.023	0.019	0.005	0.120	0.051	0.036	0.045	0.290	0.015	0.013	0.016	0.013	0.013	0.013
Molybdenum	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	0.003	ND	0.003	0.004	0.002	0.002	0.002	0.003	ND	ND	ND	ND	ND	0.002
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Uranium	0.008	0.009	0.009	0.010	0.007	0.007	0.006	0.002	0.005	0.005	0.004	0.004	0.005	0.006
Vanadium	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	0.008	ND	0.015	0.004	0.018	0.013	0.018	0.041	ND	ND	0.012	0.054	0.044	0.210
Method: 9012A Total and/or Amenable, Protocol: SW846														
Cyanide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detectable

Table 3: TSF-Perched Aquifer

Analyte	2016-Q3	2016-Q4	2017-Q1	2017-Q2	2017-Q3	2017-Q4	2018-Q1
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Method: 200.8 ICP/MS, Protocol: EPA							
Antimony	ND	ND		ND	ND		
Arsenic	0.009	0.007		0.010	0.007		
Barium	0.270	0.270		0.240	0.290		
Beryllium	0.001	0.001	TSF	ND	ND	TSF	TSF
Cadmium	0.005	0.002	SNOW	0.002	0.005	SNOW	SNOW
Chromium	0.008	0.007	COVERED	0.011	0.007	COVERED	COVERED
Cobalt	0.004	0.003	NO	0.003	0.005	NO	NO
Copper	0.074	0.025	ACCESS	0.024	0.034	ACCESS	ACCESS
Lead	0.085	0.066		0.079	0.089		
Manganese	0.550	0.470		0.360	0.570		
Molybdenum	ND	ND		ND	ND		
Nickel	0.015	0.012		0.012	0.014		
Selenium	ND	ND		ND	ND		
Silver	0.004	0.002		0.003	0.002		
Thallium	ND	ND		ND	ND		
Uranium	0.007	0.002		0.001	0.002		
Vanadium	0.017	0.011		0.017	0.013		
Zinc	0.290	0.190		0.230	0.340		
Method: 9012A Total and/or Amenable, Protocol: SW846							
Cyanide	ND	ND	ND	ND	ND		

ND = Not Detectable