

**TABLE 1**  
**ACCUTEST ANALYTICAL RESULTS**  
**13159 County Road 39, Permit #272956**  
**Platteville, Colorado**  
**Sample ID: Sierra 272956**

<b>Analyte, Units</b>	<b>7/12/2017 Result</b>	<b>11/15/2017 Result</b>	<b>2/5/2018 Result</b>	<b>5/7/2018 Result</b>	<b>8/13/2018 Result</b>	<b>11/7/2018 Result</b>
Alkalinity, Bicarbonate, mg/L	218	206	217	204	206	199
Alkalinity, Carbonate, mg/L	ND	ND	ND	ND	ND	ND
Alkalinity, Total, mg/L	218	206	217	204	206	199
Bacteria, Iron Reducing, CFU/mL	260	25	9,000	74,500	9,000	2,200
Bacteria, Slime Forming, CFU/mL	ND	ND	350,000	12,500	67,000	13,000
Bacteria, Sulfate Reducing, CFU/mL	700	700	5,000	18,000	27,000	27,000
Barium, mg/L	0.0096	0.0073	0.0089	0.0078	0.0073	0.0077
Benzene, ug/L	ND	ND	ND	ND	ND	ND
Boron, mg/L	0.115	0.0997	0.0948	0.105	0.112	0.113
Bromide, mg/L	1.4	1.6	1.5	1.6	1.6	1.5
Calcium, mg/L	69.9	65.4	74.6	73.0	74.6	72.7
Chloride, mg/L	176	197	196	208	202	219
Diesel Range Organics, mg/L	ND	ND	ND	ND	ND	ND
Ethane, mg/L	0.0092	ND	ND	ND	ND	ND
Ethylbenzene, ug/L	ND	ND	ND	ND	ND	ND
Fluoride, mg/L	ND	0.53	0.55	0.56	0.53	0.52
Gasoline Range Organics, mg/L	ND	ND	ND	ND	ND	ND
Iron, mg/L	0.201	0.0120	0.0878	0.0108	0.0140	ND
Magnesium, mg/L	12.5	13.5	13.7	13.9	14.0	14.3
Manganese, mg/L	0.0838	0.0620	0.0559	0.0890	0.0601	0.0759
Methane, mg/L	0.535	ND	ND	0.00060	ND	0.00061
Nitrogen, Nitrate, mg/L	ND	ND	ND	0.017	ND	ND
Nitrogen, Nitrite, mg/L	ND	ND	0.25	1.1	0.74	1.9
pH, Standard Units	7.70	8.17	7.91	8.10	7.95	8.16
Phosphorus, Total, mg/L	ND	ND	ND	ND	ND	ND
Propane, mg/L	ND	ND	ND	ND	ND	ND
Potassium, mg/L	5.52	6.01	6.38	6.68	6.19	7.32
Selenium, mg/L	ND	0.00093	ND	ND	ND	ND
Sodium, mg/L	850	819	913	899	859	765
Specific Conductivity, µmhos/cm	3,810	4,170	3,920	3,750	3,840	4,130
Strontium, mg/L	1.56	1.62	1.69	1.68	1.71	1.82
Sulfate, mg/L	1,470	1,650	1,570	1,630	1,650	1,660
Toluene, ug/L	ND	ND	ND	ND	ND	ND
Total Dissolved Solids, mg/L	2,660	2,870	3,060	2,940	3,010	2,870
Xylene, Total, ug/L	ND	ND	ND	ND	ND	ND

Notes:

ND (RL) = Non-detect (reporting limit)

Lab qualifiers (i.e. letters next to result) are defined in the lab report

**TABLE 2**  
**ISOTECH SIW RESULTS**  
**13159 County Road 39, Permit #272956**  
**Platteville, Colorado**  
**Sample ID: Sierra 272956**

<b>Analyte, Units</b>	<b>7/12/2017 Result</b>	<b>11/15/2017 Result</b>	<b>2/5/2018 Result</b>	<b>5/7/2018 Result</b>	<b>8/13/2018 Result</b>	<b>11/7/2018 Result</b>
dD of water, ‰ relative to VSMOW	-109.1	-109.5	-108.9	-109.0	-109.8	-108.6
d18O of water, ‰ relative to VSMOW	-13.94	-13.98	-13.95	-13.98	-14.03	-13.90
Tritium content of water, ‰	na	na	na	na	na	na
d13C of DIC, ‰ relative to VPDB	-20.6	-17.9	-18.0	-17.6	-17.8	-17.2
14C content of DIC, ‰	na	na	na	na	na	na
d15N of nitrate, ‰	na	na	na	na	na	na
d18O of nitrate, ‰	na	na	na	na	na	na
d34S of sulfate, ‰	na	na	na	na	na	na
d18O of sulfate, ‰	na	na	na	na	na	na

Notes:

Isotopic analysis conducted at Isotech Laboratories Inc.

na = not analyzed