

**TABLE 1**  
**ACCUTEST ANALYTICAL RESULTS**  
**13159 County Road 39, Permit #78801-F-R**  
**Platteville, Colorado**  
**Sample ID: NGL 78801-F-R**

<b>Analyte, Units</b>	<b>1/26/2017 Result</b>
Alkalinity, Bicarbonate, mg/L	504
Alkalinity, Carbonate, mg/L	ND
Alkalinity, Total, mg/L	504
Bacteria, Iron Reducing, CFU/mL	74,500
Bacteria, Slime Forming, CFU/mL	66,500
Bacteria, Sulfate Reducing, CFU/mL	359,000
Barium, mg/L	0.0407
Benzene, ug/L	ND
Boron, mg/L	0.203
Bromide, mg/L	1.1
Calcium, mg/L	24.1
Chloride, mg/L	214
Diesel Range Organics, mg/L	ND
Ethane, mg/L	0.100
Ethylbenzene, ug/L	ND
Fluoride, mg/L	1.3
Gasoline Range Organics, mg/L	ND
Iron, mg/L	ND
Magnesium, mg/L	7.97
Manganese, mg/L	0.0231
Methane, mg/L	4.92
Nitrogen, Nitrate, mg/L	ND
Nitrogen, Nitrite, mg/L	ND
pH, Standard Units	8.07
Phosphorus, Total, mg/L	ND
Propane, mg/L	0.0686
Potassium, mg/L	3.58
Selenium, mg/L	ND
Sodium, mg/L	458
Specific Conductivity, $\mu$ mhos/cm	2,010
Strontium, mg/L	0.627
Sulfate, mg/L	284
Toluene, ug/L	ND
Total Dissolved Solids, mg/L	1,340
Xylene, Total, ug/L	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 #78801-F-R**  
**Platteville, Colorado**  
**Sample ID: NGL 78801-F-R**

<b>Analyte, Units</b>	<b>1/26/2017 Result</b>
dD of water, ‰ relative to VSMOW	-104.0
d18O of water, ‰ relative to VSMOW	-13.60
Tritium content of water, ‰	na
d13C of DIC, ‰ relative to VPDB	-14.3
14C content of DIC, ‰	na
d15N of nitrate, ‰	na
d18O of nitrate, ‰	na
d34S of sulfate, ‰	na
d18O of sulfate, ‰	na

Notes:

Isotopic analysis conducted at Isotech Laboratories Inc.

na = not analyzed

**TABLE 3**  
**ISOTECH NG4 RESULTS**  
**13159 County Road 39, Permit #78801-F-R**  
**Platteville, Colorado**  
**Sample ID: NGL 78801-F-R**

<b>Analyte, Units</b>	<b>1/26/2017 Result</b>
Carbon Monoxide, mol %	nd
Helium, mol %	na
Hydrogen, mol %	nd
Argon, mol %	0.582 (0.42 mg/L)
Oxygen, mol %	1.67
Nitrogen, mol %	30.88 (14 mg/L)
Carbon Dioxide, mol %	2.93
Methane, mol %	62.88 (18 mg/L)
Ethane, mol %	0.629 (0.37 mg/L)
Ethylene, mol %	nd
Propane, mol %	0.289 (0.23 mg/L)
Propylene, mol %	nd
Iso-butane, mol %	0.0524
N-butane, mol %	0.0643
Iso-pentane, mol %	0.0119
N-pentane, mol %	0.0078
Hexanes + , mol %	0.0022

Notes:

Isotopic analysis conducted at Isotech Laboratories, Inc.

<sup>a</sup> Chemical compositions are normalized to 100% (Mol. % is approximately equal to Vol. %). Additional information

nd = not detected

na = not analyzed