

LABORATORY REPORT

Lab No 85-2891

To UNC RESOURCES, INC.

Date 5/16/85

Sample Number. South Pond Leuenberger

Sample Date: 4/2/85

Parameter	Concentration	Detection Limit/Units
Ca Calcium	16.6	0.05 mg/l
Mg Magnesium	10.0	0.01 mg/l
Na Sodium	38.8	0.05 mg/l
K Potassium	6.2	0.10 mg/l
CO ₃ Carbonate	0	0.10 mg/l
HCO ₃ Bicarbonate	120.4	0.10 mg/l
SO ₄ Sulfate	46.8	0.50 mg/l
Cl Chloride	21.4	0.10 mg/l
NH ₄ Ammonium (N)	0.08	0.05 mg/l
NO ₂ Nitrite (N)	<0.001	0.001 mg/l
NO ₃ Nitrate (N)	0.13	0.01 mg/l
F Fluoride	0.42	0.10 mg/l
TDS @180 C	208	1.0 mg/l
Conductivity	369	1.0 umho/cm
Alkalinity as CaCO ₃	98.7	0.10 mg/l
pH	7.82	0-14 units
SiO ₂ Silica	<1.0	1.0 mg/l
CN Cyanide	<0.005	0.005 mg/l
P Total phosphorus	0.07	0.01 mg/l
PO ₄ Phosphate	0.03	0.01 mg/l
S ⁼ Sulfide	<0.10	0.10 mg/l
Al Aluminum	<0.1	0.10 mg/l
Ag Silver	0.015	0.005 mg/l
As Arsenic	0.004	0.001 mg/l
Ba Barium	0.4	0.10 mg/l
Be Beryllium	<0.005	0.005 mg/l
B Boron	<0.1	0.10 mg/l
Cd Cadmium	<0.01	0.01 mg/l
Cr Chromium	<0.05	0.05 mg/l
Co Cobalt	<0.01	0.01 mg/l
Cu Copper	<0.01	0.01 mg/l
Fe Iron	<0.05	0.05 mg/l
Pb Lead	<0.05	0.05 mg/l
Mn Manganese	<0.01	0.01 mg/l
Hg Mercury	<0.001	0.001 mg/l
Mo Molybdenum	<0.05	0.05 mg/l
Ni Nickel	<0.05	0.05 mg/l
Se Selenium	0.002	0.001 mg/l
Sn Tin	<0.1	0.1 mg/l
Ti Titanium	<0.01	0.01 mg/l
Tl Thallium	<0.05	0.05 mg/l
U-Nat Uranium	0.642	0.001 mg/l
V Vanadium	<0.1	0.1 mg/l
Zn Zinc	0.02	0.01 mg/l
Zr Zirconium	<0.01	0.01 mg/l
Ra-226 Radium	1.9±3.1	0.10 pCi/l
Th-232 Thorium	0.24±0.18	0.01 pCi/l
Th-230 Thorium	0.55±0.27	0.01 pCi/l
Pb-210 Lead	5.6±1.3	0.10 pCi/l
U-234 Uranium	7.06±1.41	0.05 pCi/l
U-235 Uranium	<0.05	0.05 pCi/l

Solid sample radiochemical results reported in uCi/gm
Solid sample chemical results reported in ppm

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PDR ADDCK 04008728
C PDR