# Appendix A

## Laboratory Reports on Water Quality

- Water Supply Wells
- UEC's Baseline Wells

# Water Supply Wells

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Joe Jacobs #1
0900 12-14-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 145 | 7.24 | 376.48 | 42.29 |
| MAGNESIUM(MG) | 16 | 1.32 | 61.51 | 7.71 |
| SODIUM(NA) | 195 | 8.48 | 414.67 | 49.53 |
| POTASSIUM(K) | 3.2 | 0.08 | 5.76 | 0.47 |
| TOTAL CATION | | 17.12 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 411 | 6.74 | 293.86 | 40.90 |
| SULFATE(SO4) | 118 | 2.46 | 181.79 | 14.93 |
| CHLORIDE(CL) | 258 | 7.28 | 552.55 | 44.17 |
| NITRATE(NO3-N) | 7.4 | | | |
| FLUORIDE(F) | 0.62 | | | |
| SILICA(SIO2) | 58 | | | |
| TOTAL ANION | | 16.48 | | |
| TOTAL | | | 1886.63 | |

| | |
|---|---|
| TOTAL ION | 1212 |
| TDS(180 C) | 1020 |
| TOT ION-0.5 HCO3= | 1007 |
| EC(25 C) | 1680 UMHOS |
| EC(DIL)=114.4 X 16.7 = | 1910 UMHOS |
| ALK. AS CACO3 | 337 |
| PH | 7.19 |

ACCURACY CHECK

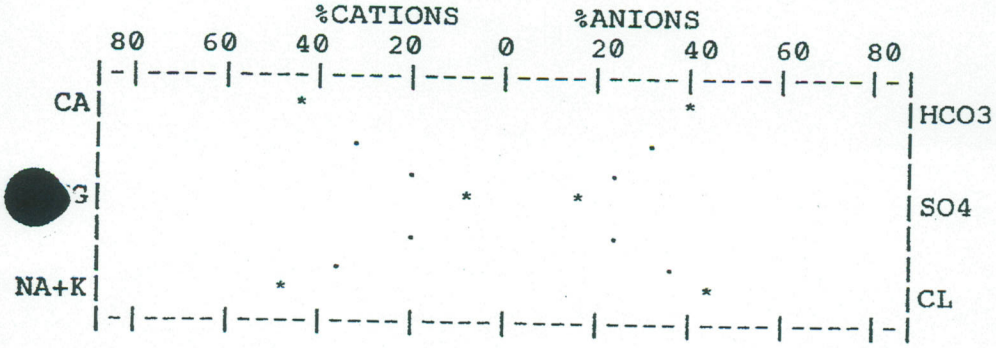
| | | RANGE |
|---|---|---|
| ION | 1.039 | (.96 TØ 1.04) |
| TDS | 1.013 | (.90 TO 1.10) |
| EC | 1.013 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.6 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.016 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.004 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3757

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Joe Jacobs #2
1330 12-14-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 125 | 6.24 | 324.48 | 40.68 |
| MAGNESIUM(MG) | 13 | 1.07 | 49.86 | 6.98 |
| SODIUM(NA) | 183 | 7.96 | 389.24 | 51.89 |
| POTASSIUM(K) | 2.7 | 0.07 | 5.04 | 0.46 |
| TOTAL CATION | | 15.34 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 447 | 7.33 | 319.59 | 50.94 |
| SULFATE(SO4) | 78 | 1.62 | 119.72 | 11.26 |
| CHLORIDE(CL) | 193 | 5.44 | 412.90 | 37.80 |
| NITRATE(NO3-N) | 11 | | | |
| FLUORIDE(F) | 0.97 | | | |
| SILICA(SIO2) | 72 | | | |
| TOTAL | | | 1620.83 | |
| TOTAL ANION | | 14.39 | | |
| TOTAL ION | 1126 | | | |

| | |
|---|---|
| TDS(180 C) | 910 |
| TOT ION-0.5 HCO3= | 902 |
| EC(25 C) | 1420 UMHOS |
| EC(DIL)= 95.2 X 16.7 = | 1590 UMHOS |
| ALK. AS CACO3 | 366 |
| PH | 7.52 |

ACCURACY CHECK

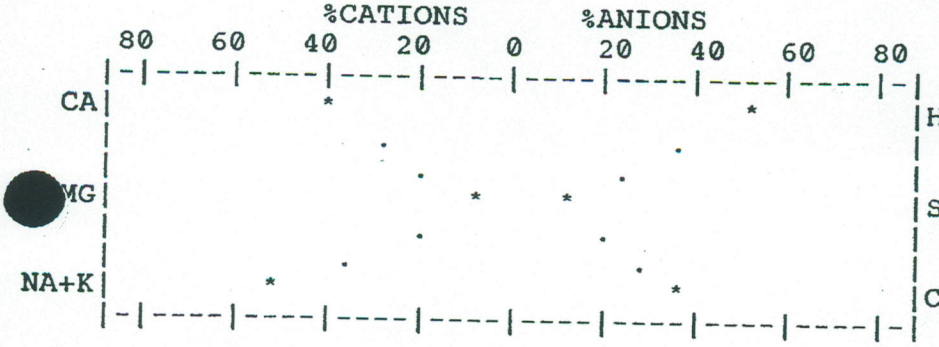
| | | RANGE |
|---|---|---|
| ION | 1.066 | (.96 TØ 1.04) |
| TDS | 1.009 | (.90 TO 1.10) |
| EC | 0.981 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.2 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.016 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | 0 | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.003 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3758

) WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

.ANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Elder Abrameit 1
1140 01-02-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 113 | 5.64 | 293.28 | 49.04 |
| MAGNESIUM(MG) | 20 | 1.64 | 76.42 | 14.26 |
| SODIUM(NA) | 95 | 4.13 | 201.96 | 35.91 |
| POTASSIUM(K) | 3.7 | 0.09 | 6.48 | 0.78 |
| TOTAL CATION | | 11.5 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 314 | 5.15 | 224.54 | 46.35 |
| SULFATE(SO4) | 45 | 0.94 | 69.47 | 8.46 |
| CHLORIDE(CL) | 178 | 5.02 | 381.02 | 45.18 |
| NITRATE(NO3-N) | 1.4 | | | |
| FLUORIDE(F) | 0.65 | TOTAL | 1253.17 | |
| SILICA(SIO2) | 33 | | | |
| TOTAL ANION | | 11.11 | | |
| TOTAL ION | 804 | | | |

| | |
|---|---|
| TDS(180 C) | 668 |
| TOT ION-0.5 HCO3= | 647 |
| EC(25 C) | 1120 UMHOS |
| EC(DIL)=100.0 X 12.5 = | 1250 UMHOS |
| ALK. AS CACO3 | 257 |
| PH | 7.37 |

ACCURACY CHECK

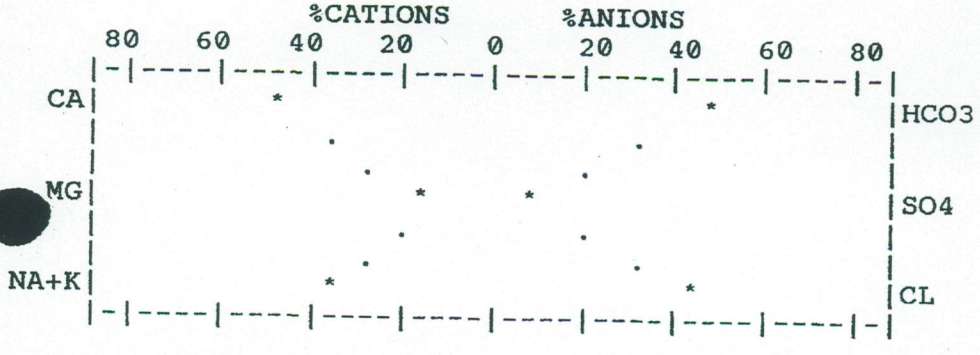
| | | RANGE |
|---|---|---|
| ION | 1.035 | (.96 TO 1.04) |
| TDS | 1.033 | (.90 TO 1.10) |
| EC | 0.997 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1.0 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.005 | MANGANESE(MN) | 0.03 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.003 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-014

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPARATION
IDENTIFICATION: Abrameit Windmill
1318 10-25-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: December 5, 2006

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 88 | 4.39 | 228.28 | 43.94 |
| MAGNESIUM(MG) | 16 | 1.32 | 61.51 | 13.21 |
| SODIUM(NA) | 97 | 4.22 | 206.36 | 42.24 |
| POTASSIUM(K) | 2.5 | 0.06 | 4.32 | 0.60 |
| TOTAL CATION | | 9.99 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 340 | 5.57 | 242.85 | 54.82 |
| SULFATE(SO4) | 20 | 0.42 | 31.04 | 4.13 |
| CHLORIDE(CL) | 148 | 4.17 | 316.50 | 41.04 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.57 | TOTAL | 1090.86 | |
| SILICA(SIO2) | 28 | | | |
| TOTAL ANION | | 10.16 | | |
| TOTAL ION | 740 | | | |

| | |
|---|---|
| TDS(180 C) | 546 |
| TOT ION-0.5 HCO3= | 570 |
| EC(25 C) | 922 UMHOS |
| EC(DIL)= 99.5 X 10.0 = | 995 UMHOS |
| ALK. AS CACO3 | 279 |
| PH | 7.56 |

ACCURACY CHECK

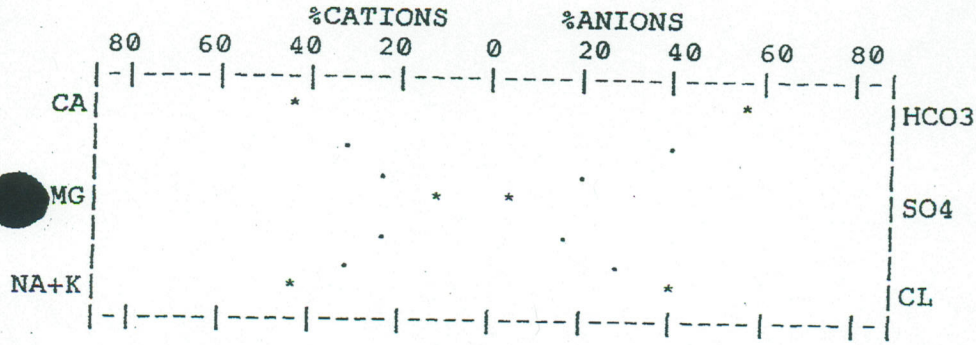
| | | RANGE |
|---|---|---|
| ION | 0.983 | (.96 TO 1.04) |
| TDS | 0.958 | (.90 TO 1.10) |
| EC | 0.912 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1.9 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.028 | MANGANESE(MN) | 0.24 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.05 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

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LAB.NO:M44-3306

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Margaret Braquet #1
12/19/06 @ 1320 Hr.
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: JANUARY 26, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 290 | 14.47 | 752.44 | 62.16 |
| MAGNESIUM(MG) | 36 | 2.96 | 137.94 | 12.71 |
| SODIUM(NA) | 133 | 5.79 | 283.13 | 24.87 |
| POTASSIUM(K) | 2.4 | 0.06 | 4.32 | 0.26 |
| TOTAL CATION | | 23.28 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 336 | 5.51 | 240.24 | 24.60 |
| SULFATE(SO4) | 21 | 0.44 | 32.52 | 1.96 |
| CHLORIDE(CL) | 583 | 16.45 | 1248.56 | 73.44 |
| NITRATE(NO3-N) | 14 | | | |
| FLUORIDE(F) | 0.34 | TOTAL | 2699.13 | |
| SILICA(SIO2) | 54 | | | |
| TOTAL ANION | | 22.40 | | |
| TOTAL ION | 1470 | | | |

| | |
|---|---|
| TDS(180 C) | 1370 |
| TOT ION-0.5 HCO3= | 1302 |
| EC(25 C) | 2460 UMHOS |
| EC(DIL)=112.8 X 25.0 = | 2820 UMHOS |
| ALK. AS CACO3 | 275 |
| PH | 7.27 |

ACCURACY CHECK

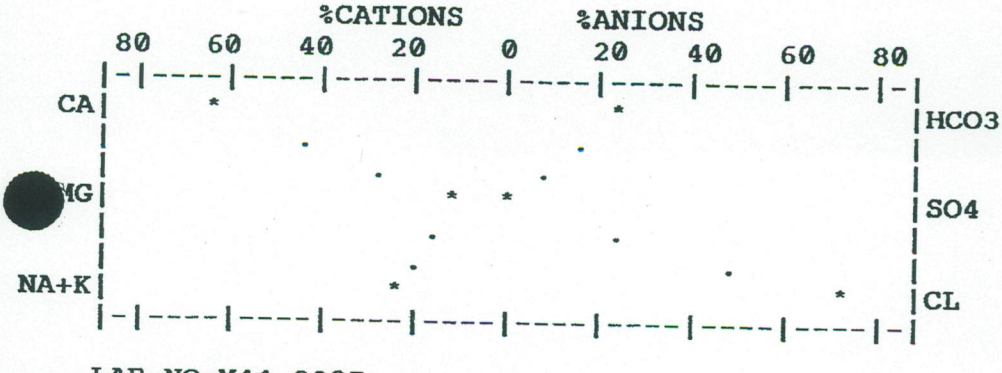
| | | RANGE |
|---|---|---|
| ION | 1.039 | (.96 TO 1.04) |
| TDS | 1.052 | (.90 TO 1.10) |
| EC | 1.045 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.6 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.007 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.003 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

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LAB.NO:M44-3807

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Margaret Braquet #2
12/19/06 @ 1330 Hr.
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: JANUARY 26, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 102 | 5.09 | 264.68 | 42.77 |
| MAGNESIUM(MG) | 21 | 1.73 | 80.62 | 14.54 |
| SODIUM(NA) | 115 | 5.00 | 244.50 | 42.02 |
| POTASSIUM(K) | 3.1 | 0.08 | 5.76 | 0.67 |
| TOTAL CATION | | 11.9 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 337 | 5.52 | 240.67 | 48.59 |
| SULFATE(SO4) | 58 | 1.21 | 89.42 | 10.65 |
| CHLORIDE(CL) | 164 | 4.63 | 351.42 | 40.76 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.60 | TOTAL | 1277.07 | |
| SILICA(SIO2) | 40 | | | |
| TOTAL ANION | | 11.36 | | |
| TOTAL ION | 841 | | | |

| | |
|---|---|
| TDS(180 C) | 685 |
| TOT ION-0.5 HCO3= | 672 |
| EC(25 C) | 1140 UMHOS |
| EC(DIL)=101.6 X 12.5 = | 1270 UMHOS |
| ALK. AS CACO3 | 276 |
| PH | 7.38 |

ACCURACY CHECK

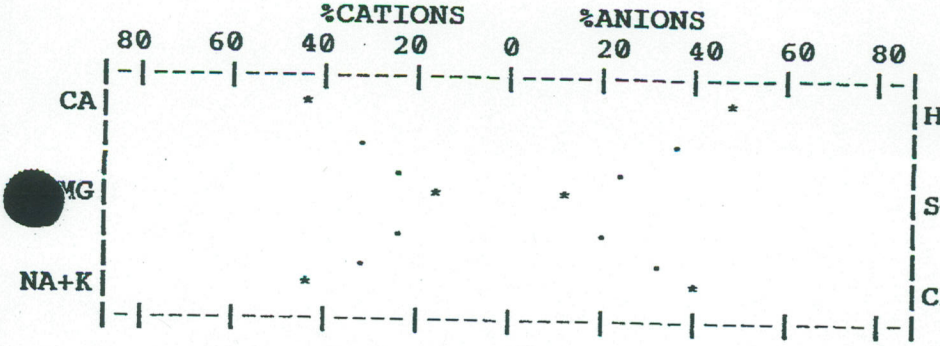
| | | RANGE |
|---|---|---|
| ION | 1.048 | (.96 TO 1.04) |
| TDS | 1.019 | (.90 TO 1.10) |
| EC | 0.994 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 29 | +/- | 1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.04 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

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LAB.NO:M44-3808

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Margaret Rutherford #1
1000 12-14-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 123 | 6.14 | 319.28 | 56.49 |
| MAGNESIUM(MG) | 13 | 1.07 | 49.86 | 9.84 |
| SODIUM(NA) | 83 | 3.61 | 176.53 | 33.21 |
| POTASSIUM(K) | 1.8 | 0.05 | 3.60 | 0.46 |
| TOTAL CATION | | 10.87 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 458 | 7.51 | 327.44 | 68.90 |
| SULFATE(SO4) | 26 | 0.54 | 39.91 | 4.95 |
| CHLORIDE(CL) | 101 | 2.85 | 216.32 | 26.15 |
| NITRATE(NO3-N) | 0.39 | | | |
| FLUORIDE(F) | 0.43 | TOTAL | 1132.93 | |
| SILICA(SIO2) | 58 | | | |
| TOTAL ANION | | 10.90 | | |
| TOTAL ION | 865 | | | |

| | |
|---|---|
| TDS(180 C) | 620 |
| TOT ION-0.5 HCO3= | 636 |
| EC(25 C) | 1020 UMHOS |
| EC(DIL)= 90.4 X 12.5 = | 1130 UMHOS |
| ALK. AS CACO3 | 375 |
| PH | 7.03 |

ACCURACY CHECK

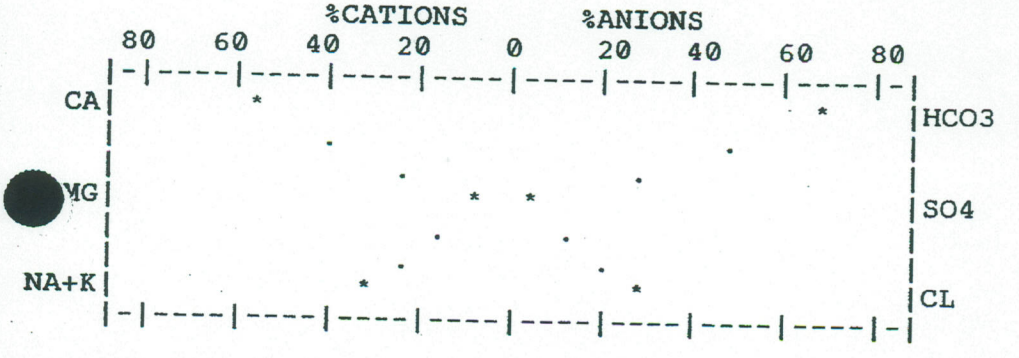
| | | RANGE |
|---|---|---|
| ION | 0.997 | (.96 TØ 1.04) |
| TDS | 0.975 | (.90 TO 1.10) |
| EC | 0.997 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.2 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.005 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | 0 | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | 0 | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3759

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Margaret Rutherford #2
1040 12-14-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 103 | 5.14 | 267.28 | 54.51 |
| MAGNESIUM(MG) | 15 | 1.23 | 57.32 | 13.04 |
| SODIUM(NA) | 69 | 3.00 | 146.70 | 31.81 |
| POTASSIUM(K) | 2.2 | 0.06 | 4.32 | 0.64 |
| TOTAL CATION | | 9.43 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 388 | 6.36 | 277.30 | 66.81 |
| SULFATE(SO4) | 8 | 0.17 | 12.56 | 1.79 |
| CHLORIDE(CL) | 106 | 2.99 | 226.94 | 31.41 |
| NITRATE(NO3-N) | 0.06 | | | |
| FLUORIDE(F) | 0.42 | | TOTAL 992.42 | |
| SILICA(SIO2) | 45 | | | |
| TOTAL ANION | | 9.52 | | |
| TOTAL ION | 737 | | | |

| | |
|---|---|
| TDS(180 C) | 538 |
| TOT ION-0.5 HCO3= | 543 |
| EC(25 C) | 910 UMHOS |
| EC(DIL)= 99.9 X 10.0 = | 999 UMHOS |
| ALK. AS CACO3 | 318 |
| PH | 7.23 |

ACCURACY CHECK

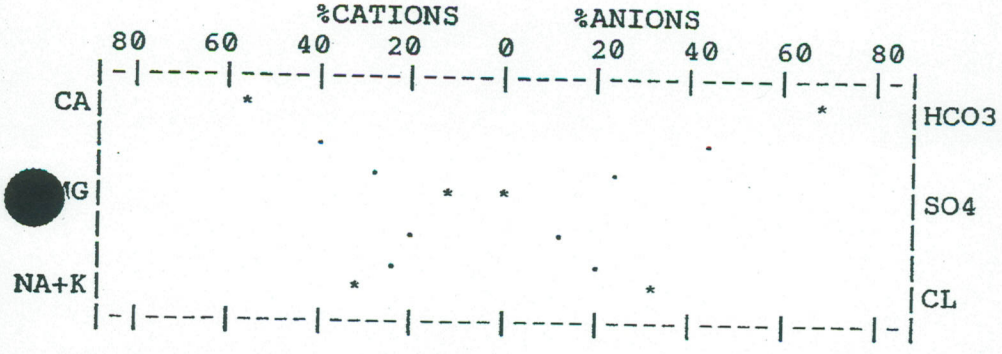
| | | RANGE |
|---|---|---|
| ION | 0.991 | (.96 TØ 1.04) |
| TDS | 0.991 | (.90 TO 1.10) |
| EC | 1.007 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | 0.24 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3760

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Marlene Wesselman #1
1230 12-14-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 100 | 4.99 | 259.48 | 66.89 |
| MAGNESIUM(MG) | 9.3 | 0.76 | 35.42 | 10.19 |
| SODIUM(NA) | 38 | 1.65 | 80.69 | 22.12 |
| POTASSIUM(K) | 2.2 | 0.06 | 4.32 | 0.80 |
| TOTAL CATION | | 7.46 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 331 | 5.42 | 236.31 | 72.75 |
| SULFATE(SO4) | 18 | 0.37 | 27.34 | 4.97 |
| CHLORIDE(CL) | 59 | 1.66 | 125.99 | 22.28 |
| NITRATE(NO3-N) | 0.70 | | | |
| FLUORIDE(F) | 0.23 | TOTAL | 769.55 | |
| SILICA(SIO2) | 39 | | | |
| TOTAL ANION | | 7.45 | | |
| TOTAL ION | 597 | | | |

| | |
|---|---|
| TDS(180 C) | 397 |
| TOT ION-0.5 HCO3= | 432 |
| EC(25 C) | 711 UMHOS |
| EC(DIL)= 94.3 X 8.3 = | 783 UMHOS |
| ALK. AS CACO3 | 271 |
| PH | 7.20 |

ACCURACY CHECK

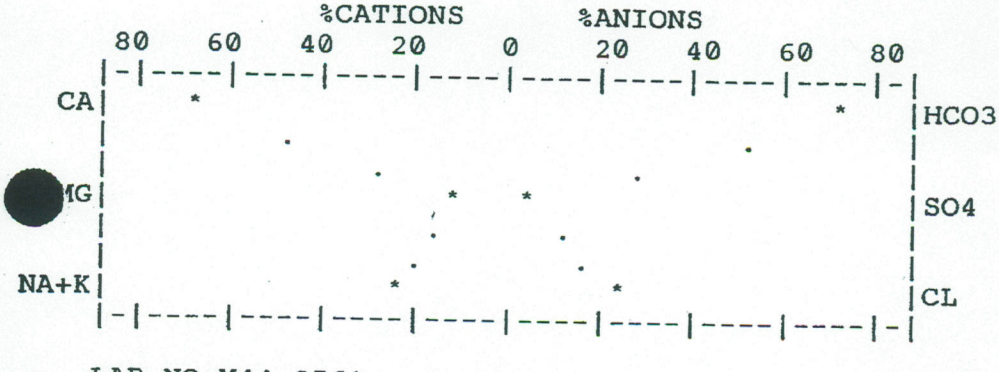
| | | RANGE |
|---|---|---|
| ION | 1.001 | (.96 TØ 1.04) |
| TDS | 0.919 | (.90 TO 1.10) |
| EC | 1.017 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.02 | SILVER(AG) | 0 | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3761

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Craig Duderstaedt #1
1010 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 195 | 9.73 | 505.96 | 63.43 |
| MAGNESIUM(MG) | 12 | 0.99 | 46.13 | 6.45 |
| SODIUM(NA) | 104 | 4.52 | 221.03 | 29.47 |
| POTASSIUM(K) | 3.9 | 0.10 | 7.20 | 0.65 |
| TOTAL CATION | | 15.34 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 433 | 7.10 | 309.56 | 49.27 |
| SULFATE(SO4) | 72 | 1.50 | 110.85 | 10.41 |
| CHLORIDE(CL) | 206 | 5.81 | 440.98 | 40.32 |
| NITRATE(NO3-N) | 21 | | | |
| FLUORIDE(F) | 0.27 | TOTAL | 1641.71 | |
| SILICA(SIO2) | 37 | | | |
| TOTAL ANION | | 14.41 | | |
| TOTAL ION | 1084 | | | |

| | |
|---|---|
| TDS(180 C) | 857 |
| TOT ION-0.5 HCO3= | 868 |
| EC(25 C) | 1560 UMHOS |
| EC(DIL)=106.6 X 16.7 = | 1780 UMHOS |
| ALK. AS CACO3 | 355 |
| PH | 6.99 |

ACCURACY CHECK

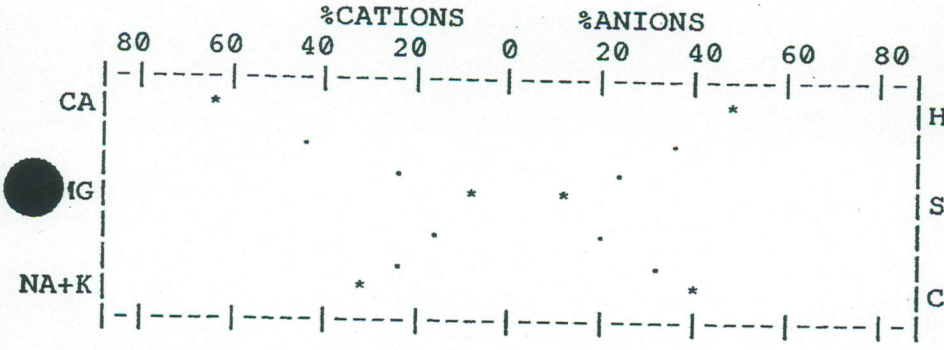
| | | RANGE |
|---|---|---|
| ION | 1.065 | (.96 TØ 1.04) |
| TDS | 0.988 | (.90 TO 1.10) |
| EC | 1.084 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.004 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3775

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Craig Duderstaedt #2
1015 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 135 | 6.74 | 350.48 | 64.62 |
| MAGNESIUM(MG) | 8.3 | 0.68 | 31.69 | 6.52 |
| SODIUM(NA) | 68 | 2.96 | 144.74 | 28.38 |
| POTASSIUM(K) | 2.1 | 0.05 | 3.60 | 0.48 |
| TOTAL CATION | | 10.43 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 429 | 7.03 | 306.51 | 68.45 |
| SULFATE(SO4) | 27 | 0.56 | 41.38 | 5.45 |
| CHLORIDE(CL) | 95 | 2.68 | 203.41 | 26.10 |
| NITRATE(NO3-N) | 11 | | | |
| FLUORIDE(F) | 0.26 | TOTAL | 1081.82 | |
| SILICA(SIO2) | 37 | | | |
| TOTAL ANION | | 10.27 | | |
| TOTAL ION | 813 | | | |

| | |
|---|---|
| TDS(180 C) | 630 |
| TOT ION-0.5 HCO3= | 598 |
| EC(25 C) | 1040 UMHOS |
| EC(DIL)= 92.8 X 12.5 = | 1160 UMHOS |
| ALK. AS CACO3 | 352 |
| PH | 7.02 |

ACCURACY CHECK

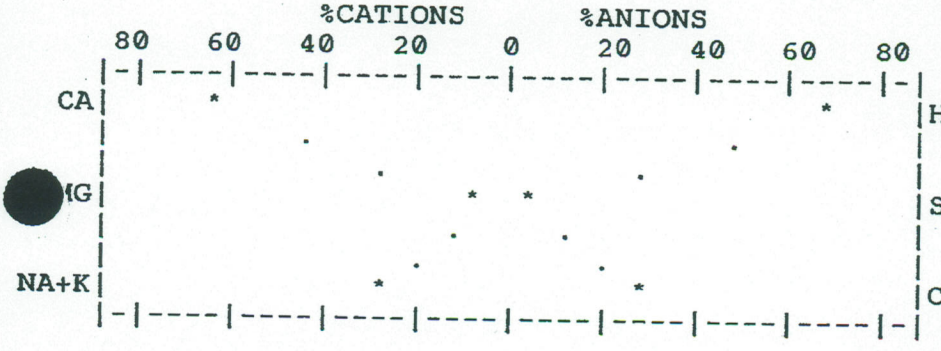
| | | RANGE |
|---|---|---|
| ION | 1.016 | (.96 TØ 1.04) |
| TDS | 1.053 | (.90 TO 1.10) |
| EC | 1.072 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.005 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3776

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Ernest Hausman #1
1100 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 100 | 4.99 | 259.48 | 47.75 |
| MAGNESIUM(MG) | 15 | 1.23 | 57.32 | 11.77 |
| SODIUM(NA) | 95 | 4.13 | 201.96 | 39.52 |
| POTASSIUM(K) | 3.9 | 0.10 | 7.20 | 0.96 |
| TOTAL CATION | | 10.45 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 316 | 5.18 | 225.85 | 51.65 |
| SULFATE(SO4) | 35 | 0.73 | 53.95 | 7.28 |
| CHLORIDE(CL) | 146 | 4.12 | 312.71 | 41.08 |
| NITRATE(NO3-N) | 2.1 | | | |
| FLUORIDE(F) | 0.47 | TOTAL | 1118.46 | |
| SILICA(SIO2) | 36 | | | |
| TOTAL ANION | | 10.03 | | |
| TOTAL ION | 749 | | | |

| | |
|---|---|
| TDS(180 C) | 600 |
| TOT ION-0.5 HCO3= | 591 |
| EC(25 C) | 1030 UMHOS |
| EC(DIL)= 88.8 X 12.5 = | 1110 UMHOS |
| ALK. AS CACO3 | 259 |
| PH | 7.27 |

ACCURACY CHECK

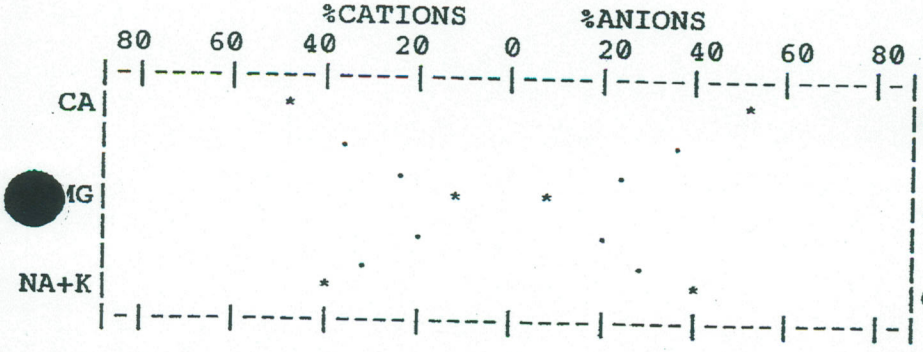
| | | RANGE |
|---|---|---|
| ION | 1.042 | (.96 TØ 1.04) |
| TDS | 1.014 | (.90 TO 1.10) |
| EC | 0.992 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3777

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Ernest Hausman #2
1150 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 125 | 6.24 | 324.48 | 81.14 |
| MAGNESIUM(MG) | 5.9 | 0.49 | 22.83 | 6.37 |
| SODIUM(NA) | 21 | 0.91 | 44.50 | 11.83 |
| POTASSIUM(K) | 1.9 | 0.05 | 3.60 | 0.65 |
| TOTAL CATION | | 7.69 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 340 | 5.57 | 242.85 | 78.45 |
| SULFATE(SO4) | 14 | 0.29 | 21.43 | 4.08 |
| CHLORIDE(CL) | 44 | 1.24 | 94.12 | 17.46 |
| NITRATE(NO3-N) | 5.4 | | | |
| FLUORIDE(F) | 0.18 | TOTAL | 753.81 | |
| SILICA(SIO2) | 31 | | | |
| TOTAL ANION | | 7.10 | | |
| TOTAL ION | 588 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 440 | |
| TOT ION-0.5 HCO3= | 418 | |
| EC(25 C) | 647 | UMHOS |
| EC(DIL)=102.5 X 7.1 = | 728 | UMHOS |
| ALK. AS CACO3 | 279 | |
| PH | 7.18 | |

ACCURACY CHECK

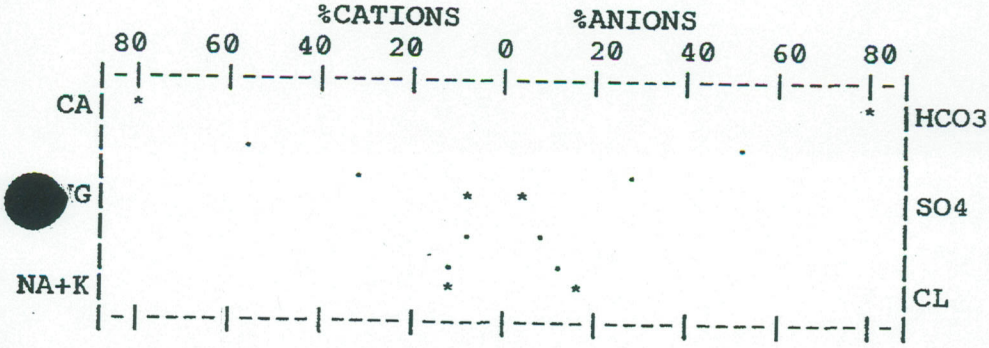
| | | RANGE |
|---|---|---|
| ION | 1.083 | (.96 TØ 1.04) |
| TDS | 1.052 | (.90 TO 1.10) |
| EC | 0.965 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 1.1 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3778

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Gary Halepeska #1
1030 12-18-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2006

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 125 | 6.24 | 324.48 | 36.75 |
| MAGNESIUM(MG) | 14 | 1.15 | 53.59 | 6.77 |
| SODIUM(NA) | 219 | 9.53 | 466.02 | 56.12 |
| POTASSIUM(K) | 2.5 | 0.06 | 4.32 | 0.35 |
| TOTAL CATION | | 16.98 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 432 | 7.08 | 308.69 | 43.41 |
| SULFATE(SO4) | 99 | 2.06 | 152.23 | 12.63 |
| CHLORIDE(CL) | 254 | 7.17 | 544.20 | 43.96 |
| NITRATE(NO3-N) | 10 | | | |
| FLUORIDE(F) | 0.60 | | | |
| SILICA(SIO2) | 57 | | | |
| TOTAL | | | 1853.53 | |
| TOTAL ANION | | 16.31 | | |
| TOTAL ION | 1213 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 1030 | |
| TOT ION-0.5 HCO3= | 997 | |
| EC(25 C) | 1680 UMHOS | |
| EC(DIL)=112.6 X 16.7 = | 1880 UMHOS | |
| ALK. AS CACO3 | 354 | |
| PH | 7.14 | |

ACCURACY CHECK

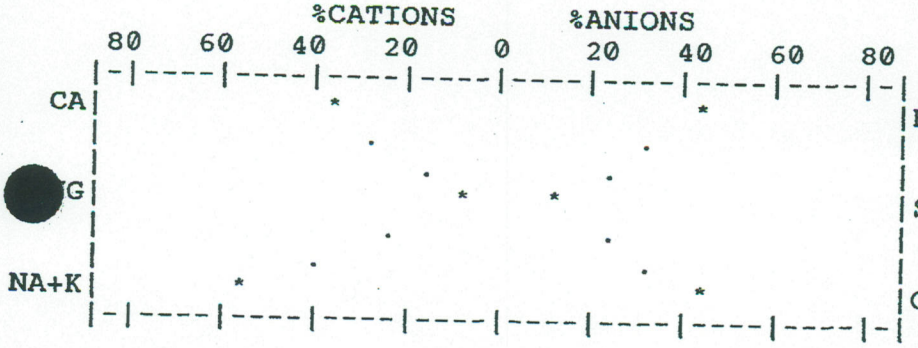
| | | RANGE |
|---|---|---|
| ION | 1.041 | (.96 TO 1.04) |
| TDS | 1.033 | (.90 TO 1.10) |
| EC | 1.015 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.035 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3797

# GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Gary Halepeska #2
12/19/06 @ 0855 Hr.
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: JANUARY 26, 2007

## MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 75 | 3.74 | 194.48 | 34.89 |
| MAGNESIUM(MG) | 16 | 1.32 | 61.51 | 12.31 |
| SODIUM(NA) | 128 | 5.57 | 272.37 | 51.96 |
| POTASSIUM(K) | 3.7 | 0.09 | 6.48 | 0.84 |
| TOTAL CATION | | 10.72 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 331 | 5.42 | 236.31 | 52.47 |
| SULFATE(SO4) | 38 | 0.79 | 58.38 | 7.65 |
| CHLORIDE(CL) | 146 | 4.12 | 312.71 | 39.88 |
| NITRATE(NO3-N) | 1.4 | | | |
| FLUORIDE(F) | 0.62 | TOTAL | 1142.25 | |
| SILICA(SIO2) | 32 | | | |
| TOTAL ANION | | 10.33 | | |
| TOTAL ION | 772 | | | |

| | |
|---|---|
| TDS(180 C) | 608 |
| TOT ION-0.5 HCO3= | 606 |
| EC(25 C) | 1050 UMHOS |
| EC(DIL)= 91.2 X 12.5 = | 1140 UMHOS |
| ALK. AS CACO3 | 271 |
| PH | 7.4 |

ACCURACY CHECK

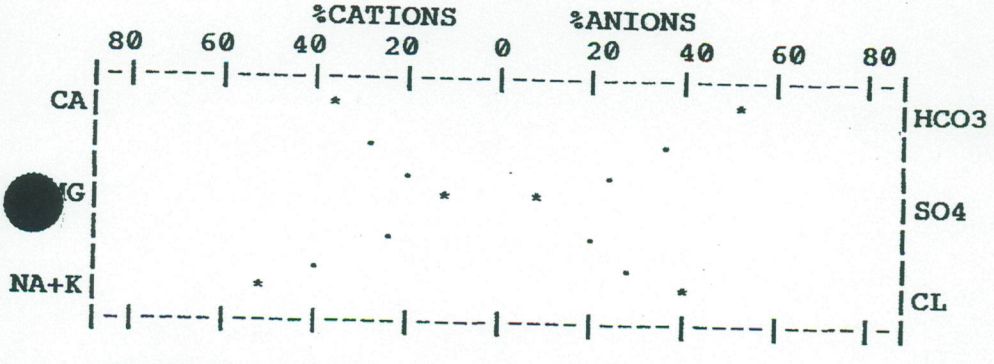
| | | RANGE |
|---|---|---|
| ION | 1.038 | (.96 TO 1.04) |
| TDS | 1.003 | (.90 TO 1.10) |
| EC | 0.998 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1.0 | +/- | 0.1 |

## MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.003 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3809

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Ted Long #1
1305 12-18-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2006

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 105 | 5.24 | 272.48 | 47.38 |
| MAGNESIUM(MG) | 19 | 1.56 | 72.70 | 14.10 |
| SODIUM(NA) | 96 | 4.18 | 204.40 | 37.79 |
| POTASSIUM(K) | 3.0 | 0.08 | 5.76 | 0.72 |
| TOTAL CATION | | 11.06 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 318 | 5.21 | 227.16 | 46.35 |
| SULFATE(SO4) | 55 | 1.15 | 84.99 | 10.23 |
| CHLORIDE(CL) | 173 | 4.88 | 370.39 | 43.42 |
| NITRATE(NO3-N) | 0.60 | | | |
| FLUORIDE(F) | 0.62 | | TOTAL | 1237.87 |
| SILICA(SIO2) | 42 | | | |
| TOTAL ANION | | 11.24 | | |
| TOTAL ION | 812 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 646 | |
| TOT ION-0.5 HCO3= | 653 | |
| EC(25 C) | 1140 UMHOS | |
| EC(DIL)=100.00 X 12.5 = | 1250 UMHOS | |
| ALK. AS CACO3 | 261 | |
| PH | 7.28 | |

ACCURACY CHECK

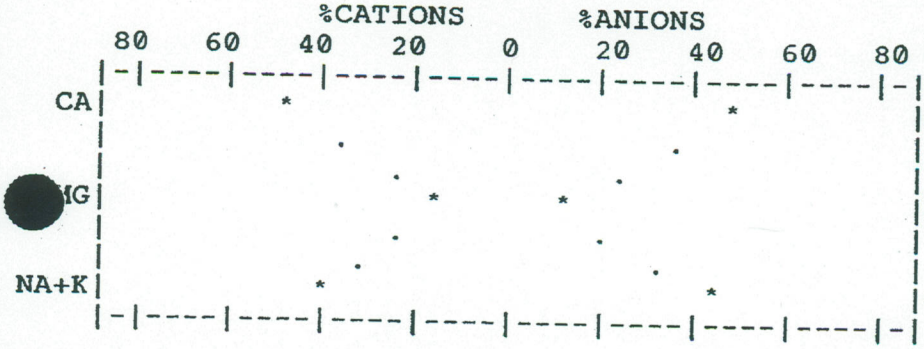
| | | RANGE |
|---|---|---|
| ION | 0.984 | (.96 T0 1.04) |
| TDS | 0.989 | (.90 TO 1.10) |
| EC | 1.010 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 1.1 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3798

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: David Cheek #1
1300 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 108 | 5.39 | 280.28 | 48.43 |
| MAGNESIUM(MG) | 18 | 1.48 | 68.97 | 13.30 |
| SODIUM(NA) | 96 | 4.18 | 204.40 | 37.56 |
| POTASSIUM(K) | 3.1 | 0.08 | 5.76 | 0.72 |
| | TOTAL CATION | 11.13 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 305 | 5.00 | 218.00 | 45.41 |
| SULFATE(SO4) | 41 | 0.85 | 62.82 | 7.72 |
| CHLORIDE(CL) | 183 | 5.16 | 391.64 | 46.87 |
| NITRATE(NO3-N) | 1.7 | | | |
| FLUORIDE(F) | 0.65 | TOTAL | 1231.87 | |
| SILICA(SIO2) | 42 | | | |
| | TOTAL ANION | 11.01 | | |
| TOTAL ION | 798 | | | |

| | |
|---|---|
| TDS(180 C) | 648 |
| TOT ION-0.5 HCO3= | 646 |
| EC(25 C) | 1130 UMHOS |
| EC(DIL)=100.0 X 12.5 = | 1250 UMHOS |
| ALK. AS CACO3 | 250 |
| PH | 7.15 |

ACCURACY CHECK

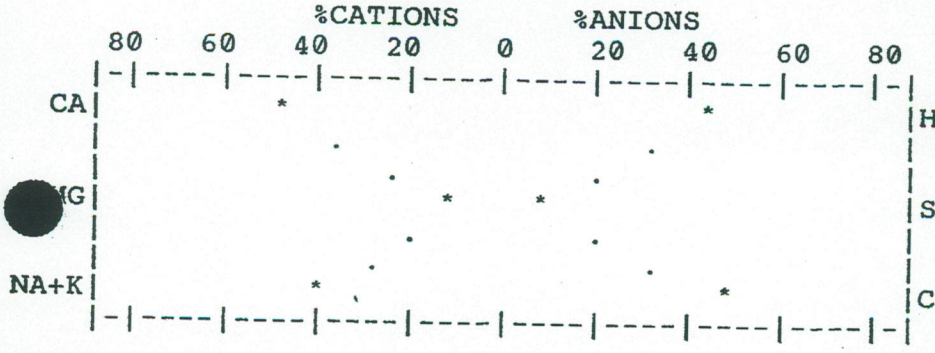
| | | RANGE |
|---|---|---|
| ION | 1.011 | (.96 TØ 1.04) |
| TDS | 1.003 | (.90 TO 1.10) |
| EC | 1.015 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.4 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | 0.0002 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3773

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: David Cheek #2
1340 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 108 | 5.39 | 280.28 | 48.65 |
| MAGNESIUM(MG) | 18 | 1.48 | 68.97 | 13.36 |
| SODIUM(NA) | 95 | 4.13 | 201.96 | 37.27 |
| POTASSIUM(K) | 3.0 | 0.08 | 5.76 | 0.72 |
| TOTAL CATION | | 11.08 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 306 | 5.01 | 218.44 | 45.71 |
| SULFATE(SO4) | 43 | 0.90 | 66.51 | 8.21 |
| CHLORIDE(CL) | 179 | 5.05 | 383.30 | 46.08 |
| NITRATE(NO3-N) | 1.6 | | | |
| FLUORIDE(F) | 0.65 | | TOTAL | 1225.21 |
| SILICA(SIO2) | 41 | | | |
| TOTAL ANION | | 10.96 | | |
| TOTAL ION | 795 | | | |

| | |
|---|---|
| TDS(180 C) | 653 |
| TOT ION-0.5 HCO3= | 642 |
| EC(25 C) | 1120 UMHOS |
| EC(DIL)= 99.2 X 12.5 = | 1240 UMHOS |
| ALK. AS CACO3 | 251 |
| PH | 7.18 |

ACCURACY CHECK

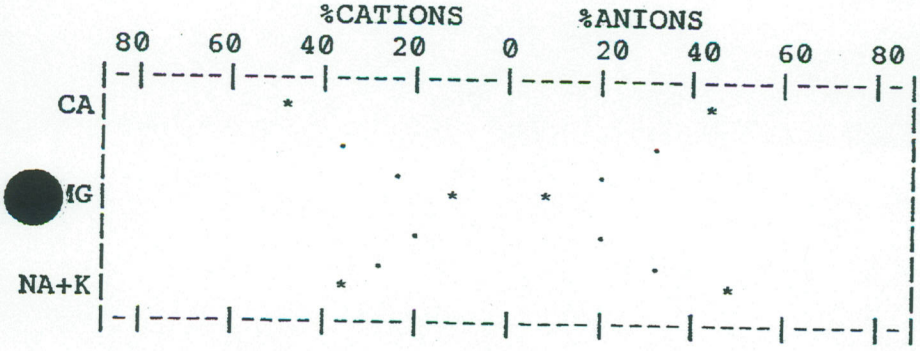
| | | RANGE |
|---|---|---|
| ION | 1.011 | (.96 TØ 1.04) |
| TDS | 1.017 | (.90 TO 1.10) |
| EC | 1.012 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 2.0 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | 0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | 0 | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3774

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Michael Walker #1
0915 12-15-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 250 | 12.48 | 648.96 | 56.96 |
| MAGNESIUM(MG) | 35 | 2.88 | 134.21 | 13.14 |
| SODIUM(NA) | 130 | 5.65 | 276.29 | 25.79 |
| POTASSIUM(K) | 35 | 0.90 | 64.80 | 4.11 |
| TOTAL CATION | | 21.91 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 271 | 4.44 | 193.58 | 20.22 |
| SULFATE(SO4) | 535 | 11.14 | 823.25 | 50.73 |
| CHLORIDE(CL) | 226 | 6.38 | 484.24 | 29.05 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.49 | TOTAL | 2625.33 | |
| SILICA(SIO2) | 40 | | | |
| TOTAL ANION | | 21.96 | | |
| TOTAL ION | 1522 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 1420 | |
| TOT ION-0.5 HCO3= | 1387 | |
| EC(25 C) | 1980 UMHOS | |
| EC(DIL)=115.3 X 22.2 = | 2560 UMHOS | |
| ALK. AS CACO3 | 222 | |
| PH | 7.13 | |

ACCURACY CHECK

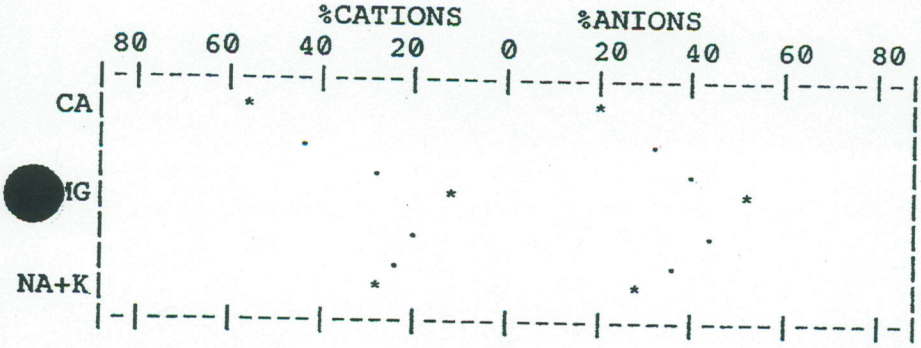
| | | RANGE |
|---|---|---|
| ION | 0.998 | (.96 TØ 1.04) |
| TDS | 1.024 | (.90 TO 1.10) |
| EC | 0.975 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 1.1 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | 0.10 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3779

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: January 29,2007
IDENTIFICATION: Chiquita Tolbert No. 1
1110 12-20-06
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 96 | 4.79 | 249.08 | 51.90 |
| MAGNESIUM(MG) | 11 | 0.90 | 41.94 | 9.75 |
| SODIUM(NA) | 80 | 3.48 | 170.17 | 37.70 |
| POTASSIUM(K) | 2.2 | 0.06 | 4.32 | 0.65 |
| | TOTAL CATION | 9.23 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 399 | 6.54 | 285.14 | 72.91 |
| SULFATE(SO4) | 30 | 0.62 | 45.82 | 6.91 |
| CHLORIDE(CL) | 64 | 1.81 | 137.38 | 20.18 |
| NITRATE(NO3-N) | 1.3 | | | |
| FLUORIDE(F) | 0.97 | TOTAL | 933.85 | |
| SILICA(SIO2) | 61 | | | |
| | TOTAL ANION | 8.97 | | |
| TOTAL ION | 745 | | | |

| | |
|---|---|
| TDS(180 C) | 550 |
| TOT ION-0.5 HCO3= | 546 |
| EC(25 C) | 852 UMHOS |
| EC(DIL)=113.4 X 8.3 = | 941 UMHOS |
| ALK. AS CACO3 | 327 |
| PH | 7.44 |

ACCURACY CHECK

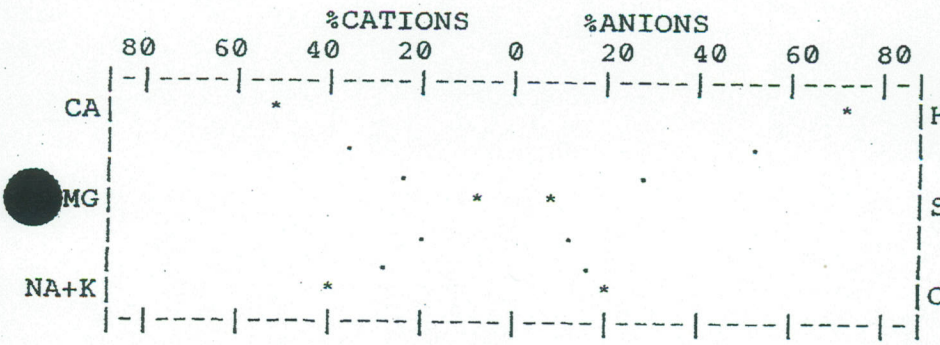
| | | RANGE |
|---|---|---|
| ION | 1.029 | (.96 TO 1.04) |
| TDS | 1.007 | (.90 TO 1.10) |
| EC | 1.008 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.1 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.011 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

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LAB.NO:M44-3840

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Richard Tolbert #3
1235 12-21-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 29, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 215 | 10.73 | 557.96 | 46.59 |
| MAGNESIUM(MG) | 37 | 3.04 | 141.66 | 13.20 |
| SODIUM(NA) | 210 | 9.13 | 446.46 | 39.64 |
| POTASSIUM(K) | 4.9 | 0.13 | 9.36 | 0.56 |
| TOTAL CATION | | 23.03 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 317 | 5.20 | 226.72 | 22.89 |
| SULFATE(SO4) | 119 | 2.48 | 183.27 | 10.92 |
| CHLORIDE(CL) | 533 | 15.04 | 1141.54 | 66.20 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.45 | TOTAL | 2706.97 | |
| SILICA(SIO2) | 37 | | | |
| TOTAL ANION | | 22.72 | | |
| TOTAL ION | 1473 | | | |

| | |
|---|---|
| TDS(180 C) | 1440 |
| TOT ION-0.5 HCO3= | 1315 |
| EC(25 C) | 2310 UMHOS |
| EC(DIL)=106.8 X 25.0 = | 2670 UMHOS |
| ALK. AS CACO3 | 260 |
| PH | 7.22 |

ACCURACY CHECK

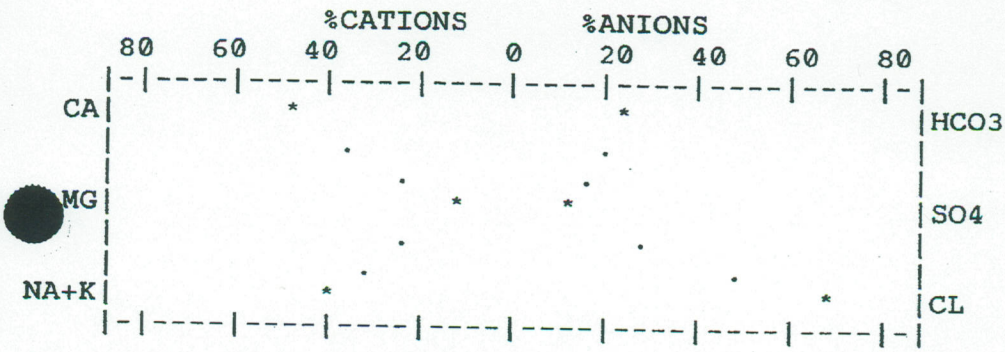
| | | RANGE |
|---|---|---|
| ION | 1.014 | (.96 T0 1.04) |
| TDS | 1.095 | (.90 TO 1.10) |
| EC | 0.986 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 16 | +/- | 1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | 0.03 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | 0 | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.06 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3850

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: R.G. Stafford #1
0905 12-21-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 29, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 100 | 4.99 | 259.48 | 48.31 |
| MAGNESIUM(MG) | 18 | 1.48 | 68.97 | 14.33 |
| SODIUM(NA) | 87 | 3.78 | 184.84 | 36.59 |
| POTASSIUM(K) | 3.0 | 0.08 | 5.76 | 0.77 |
| TOTAL CATION | | 10.33 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 309 | 5.06 | 220.62 | 48.05 |
| SULFATE(SO4) | 43 | 0.90 | 66.51 | 8.55 |
| CHLORIDE(CL) | 162 | 4.57 | 346.86 | 43.40 |
| NITRATE(NO3-N) | 2.7 | | | |
| FLUORIDE(F) | 0.60 | TOTAL | 1153.04 | |
| SILICA(SIO2) | 37 | | | |
| TOTAL ANION | | 10.53 | | |
| TOTAL ION | 762 | | | |

| | |
|---|---|
| TDS(180 C) | 670 |
| TOT ION-0.5 HCO3= | 608 |
| EC(25 C) | 1020 UMHOS |
| EC(DIL)= 90.4 X 12.5 = | 1130 UMHOS |
| ALK. AS CACO3 | 253 |
| PH | 7.64 |

ACCURACY CHECK

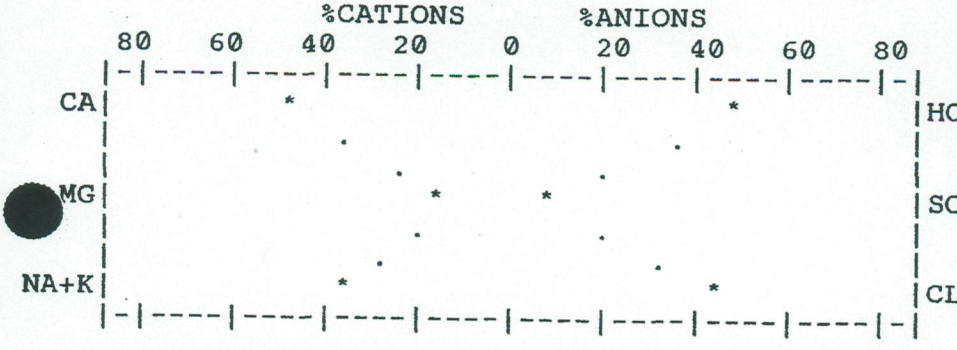
| | | RANGE |
|---|---|---|
| ION | 0.981 | (.96 TO 1.04) |
| TDS | 1.102 | (.90 TO 1.10) |
| EC | 0.980 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.2 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3849

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Otto Bluntzer #1
0935 12-18-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2006

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 103 | 5.14 | 267.28 | 62.84 |
| MAGNESIUM(MG) | 11 | 0.90 | 41.94 | 11.00 |
| SODIUM(NA) | 48 | 2.09 | 102.20 | 25.55 |
| POTASSIUM(K) | 2.1 | 0.05 | 3.60 | 0.61 |
| | TOTAL CATION | 8.18 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 389 | 6.37 | 277.73 | 80.63 |
| SULFATE(SO4) | 19 | 0.40 | 29.56 | 5.06 |
| CHLORIDE(CL) | 40 | 1.13 | 85.77 | 14.30 |
| NITRATE(NO3-N) | 2.7 | | | |
| FLUORIDE(F) | 0.38 | | TOTAL 808.08 | |
| SILICA(SIO2) | 64 | | | |
| | TOTAL ANION | 7.90 | | |
| TOTAL ION | 679 | | | |

| | |
|---|---|
| TDS(180 C) | 455 |
| TOT ION-0.5 HCO3= | 485 |
| EC(25 C) | 647 UMHOS |
| EC(DIL)=108.9 X 7.1 = | 773 UMHOS |
| ALK. AS CACO3 | 319 |
| PH | 7.29 |

ACCURACY CHECK

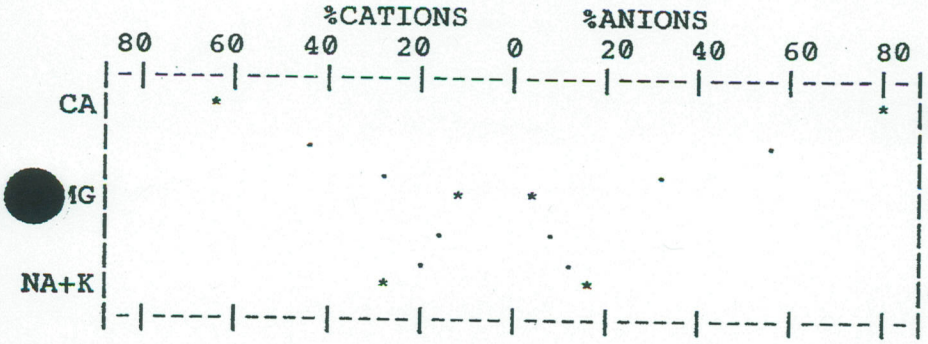
| | | RANGE |
|---|---|---|
| ION | 1.035 | (.96 TO 1.04) |
| TDS | 0.939 | (.90 TO 1.10) |
| EC | 0.957 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.007 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3796

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Otto Bluntzer No. 2
1410 12-20-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 29,2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 113 | 5.64 | 293.28 | 65.51 |
| MAGNESIUM(MG) | 12 | 0.99 | 46.13 | 11.50 |
| SODIUM(NA) | 44 | 1.91 | 93.40 | 22.18 |
| POTASSIUM(K) | 2.6 | 0.07 | 5.04 | 0.81 |
| | TOTAL CATION | 8.61 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 375 | 6.15 | 268.14 | 76.49 |
| SULFATE(SO4) | 15 | 0.31 | 22.91 | 3.86 |
| CHLORIDE(CL) | 56 | 1.58 | 119.92 | 19.65 |
| NITRATE(NO3-N) | 4.9 | | | |
| FLUORIDE(F) | 0.65 | TOTAL | 848.82 | |
| SILICA(SIO2) | 59 | | | |
| | TOTAL ANION | 8.04 | | |
| TOTAL ION | 682 | | | |

| | |
|---|---|
| TDS(180 C) | 520 |
| TOT ION-0.5 HCO3= | 495 |
| EC(25 C) | 778 UMHOS |
| EC(DIL)=103.4 X 8.3 = | 858 UMHOS |
| ALK. AS CACO3 | 307 |
| PH | 7.37 |

ACCURACY CHECK

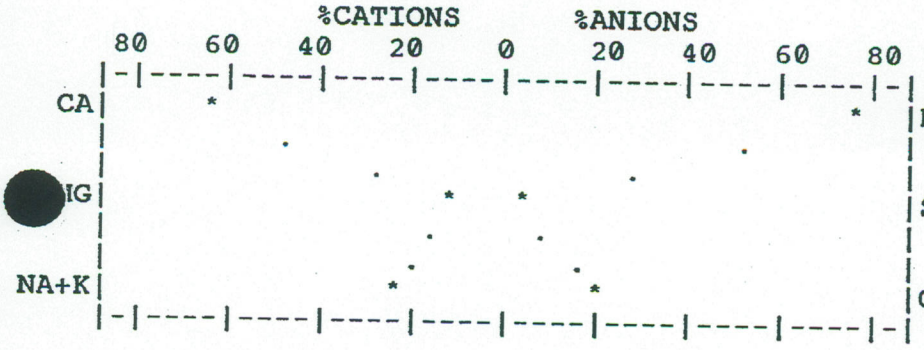
| | | RANGE |
|---|---|---|
| ION | 1.071 | (.96 TO 1.04) |
| TDS | 1.051 | (.90 TO 1.10) |
| EC | 1.011 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.7 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.008 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.06 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3836

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPØRATION
IDENTIFICATION: Jim Bluntzer #1
1145 12-14-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 80 | 3.99 | 207.48 | 44.78 |
| MAGNESIUM(MG) | 17 | 1.40 | 65.24 | 15.71 |
| SODIUM(NA) | 79 | 3.44 | 168.22 | 38.61 |
| POTASSIUM(K) | 3.1 | 0.08 | 5.76 | 0.90 |
| TOTAL CATION | | 8.91 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 334 | 5.47 | 238.49 | 62.87 |
| SULFATE(SO4) | 21 | 0.44 | 32.52 | 5.06 |
| CHLORIDE(CL) | 99 | 2.79 | 211.76 | 32.07 |
| NITRATE(NO3-N) | 0.54 | | | |
| FLUORIDE(F) | 0.62 | | TOTAL 929.47 | |
| SILICA(SIO2) | 28 | | | |
| TOTAL ANION | | 8.70 | | |
| TOTAL ION | 662 | | | |

| | |
|---|---|
| TDS(180 C) | 485 |
| TOT ION-0.5 HCO3= | 495 |
| EC(25 C) | 855 UMHOS |
| EC(DIL)= 93.8 X 10.0 = | 938 UMHOS |
| ALK. AS CACO3 | 274 |
| PH | 7.35 |

ACCURACY CHECK

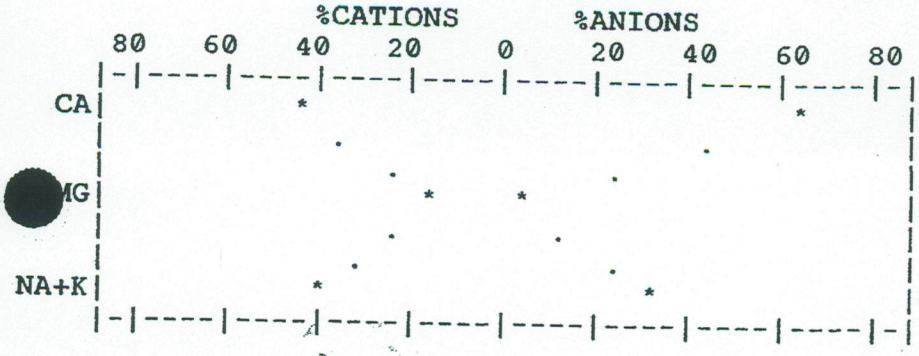
| | | RANGE |
|---|---|---|
| ION | 1.024 | (.96 TØ 1.04) |
| TDS | 0.979 | (.90 TO 1.10) |
| EC | 1.009 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.6 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.009 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3756

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: February 13, 2007
IDENTIFICATION: Bonnie Gisler Schley #1
1250 12-22-06
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 115 | 5.74 | 298.48 | 48.36 |
| MAGNESIUM(MG) | 20 | 1.64 | 76.42 | 13.82 |
| SODIUM(NA) | 101 | 4.39 | 214.67 | 36.98 |
| POTASSIUM(K) | 3.9 | 0.10 | 7.20 | 0.84 |
| TOTAL CATION | | 11.87 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 310 | 5.08 | 221.49 | 44.29 |
| SULFATE(SO4) | 82 | 1.71 | 126.37 | 14.91 |
| CHLORIDE(CL) | 166 | 4.68 | 355.21 | 40.80 |
| NITRATE(NO3-N) | 1.4 | | | |
| FLUORIDE(F) | 0.62 | | TOTAL 1299.84 | |
| SILICA(SIO2) | 41 | | | |
| TOTAL ANION | | 11.47 | | |
| TOTAL ION | 841 | | | |

| | |
|---|---|
| TDS(180 C) | 693 |
| TOT ION-0.5 HCO3= | 686 |
| EC(25 C) | 1140 UMHOS |
| EC(DIL)=104.0 X 12.5 = | 1300 UMHOS |
| ALK. AS CACO3 | 254 |
| PH | 7.42 |

ACCURACY CHECK

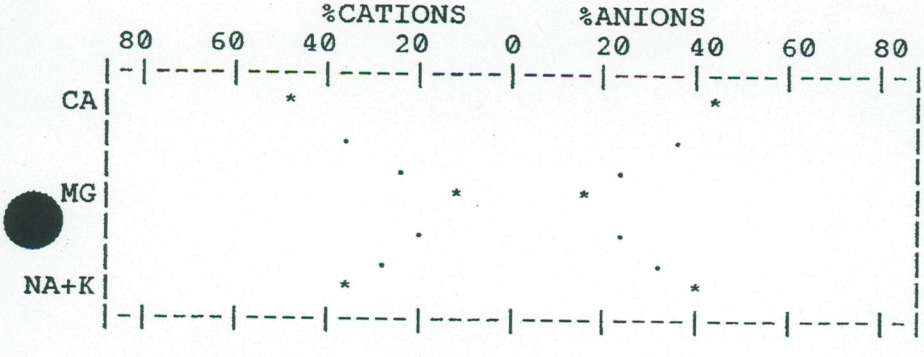
| | | RANGE |
|---|---|---|
| ION | 1.035 | (.96 TO 1.04) |
| TDS | 1.010 | (.90 TO 1.10) |
| EC | 1.000 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1.1 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.04 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3856

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Lawrence Schrade 1
0900 01-02-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 78 | 3.89 | 202.28 | 34.58 |
| MAGNESIUM(MG) | 17 | 1.40 | 65.24 | 12.44 |
| SODIUM(NA) | 135 | 5.87 | 287.04 | 52.18 |
| POTASSIUM(K) | 3.7 | 0.09 | 6.48 | 0.80 |
| TOTAL CATION | | 11.25 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 333 | 5.46 | 238.06 | 50.28 |
| SULFATE(SO4) | 40 | 0.83 | 61.34 | 7.64 |
| CHLORIDE(CL) | 162 | 4.57 | 346.86 | 42.08 |
| NITRATE(NO3-N) | 1.4 | | | |
| FLUORIDE(F) | 0.65 | | | |
| SILICA(SIO2) | 31 | | | |
| TOTAL ANION | | 10.86 | | |
| TOTAL ION | 802 | | | |

| | |
|---|---|
| TDS(180 C) | 618 |
| TOT ION-0.5 HCO3= | 635 |
| EC(25 C) | 1100 UMHOS |
| EC(DIL)= 96.8 X 12.5 = | 1210 UMHOS |
| ALK. AS CACO3 | 273 |
| PH | 7.53 |

ACCURACY CHECK

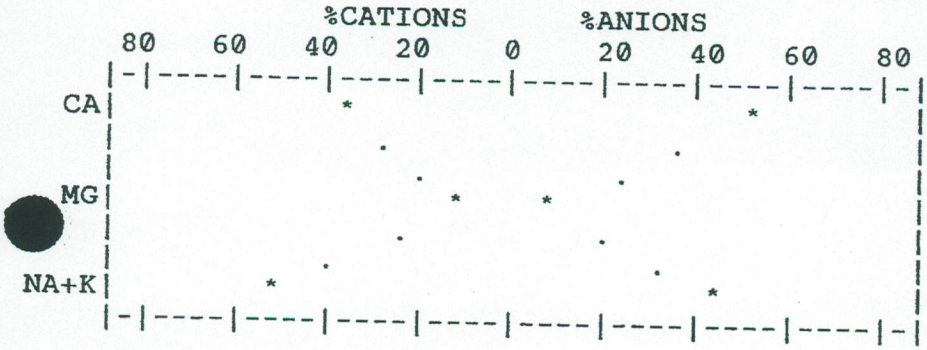
| | | RANGE |
|---|---|---|
| ION | 1.036 | (.96 TO 1.04) |
| TDS | 0.973 | (.90 TO 1.10) |
| EC | 1.002 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.4 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-017

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Tom Anklam #1
1210 12-18-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 16, 2006

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 88 | 4.39 | 228.28 | 43.42 |
| MAGNESIUM(MG) | 16 | 1.32 | 61.51 | 13.06 |
| SODIUM(NA) | 99 | 4.31 | 210.76 | 42.63 |
| POTASSIUM(K) | 3.5 | 0.09 | 6.48 | 0.89 |
| TOTAL CATION | | 10.11 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 328 | 5.38 | 234.57 | 54.51 |
| SULFATE(SO4) | 38 | 0.79 | 58.38 | 8.00 |
| CHLORIDE(CL) | 131 | 3.70 | 280.83 | 37.49 |
| NITRATE(NO3-N) | 2.0 | | | |
| FLUORIDE(F) | 0.51 | TOTAL | 1080.81 | |
| SILICA(SIO2) | 31 | | | |
| TOTAL ANION | | 9.87 | | |
| TOTAL ION | 737 | | | |

| | |
|---|---|
| TDS(180 C) | 600 |
| TOT ION-0.5 HCO3= | 573 |
| EC(25 C) | 995 UMHOS |
| EC(DIL)=105.0 X 10.0 = | 1050 UMHOS |
| ALK. AS CACO3 | 269 |
| PH | 7.23 |

ACCURACY CHECK

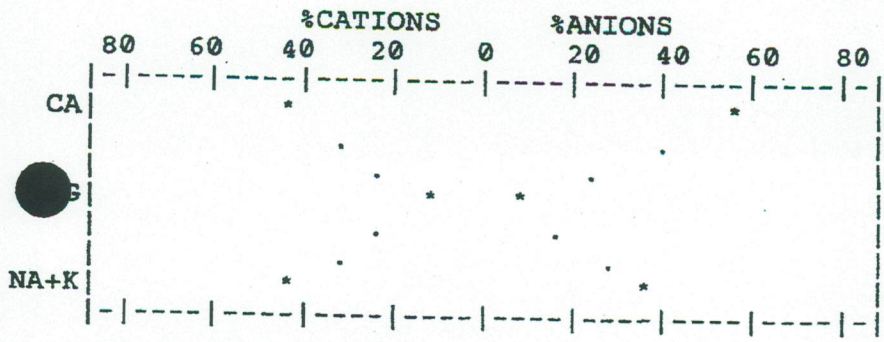
| | | RANGE |
|---|---|---|
| ION | 1.024 | (.96 TO 1.04) |
| TDS | 1.047 | (.90 TO 1.10) |
| EC | 0.971 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.7 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3795

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Paul Breeden #1
1050 12-22-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 123 | 6.14 | 319.28 | 65.95 |
| MAGNESIUM(MG) | 12 | 0.99 | 46.13 | 10.63 |
| SODIUM(NA) | 49 | 2.13 | 104.16 | 22.88 |
| POTASSIUM(K) | 2.0 | 0.05 | 3.60 | 0.54 |
| TOTAL CATION | | 9.31 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 293 | 4.80 | 209.28 | 53.16 |
| SULFATE(SO4) | 35 | 0.73 | 53.95 | 8.08 |
| CHLORIDE(CL) | 124 | 3.50 | 265.65 | 38.76 |
| NITRATE(NO3-N) | 1.2 | | | |
| FLUORIDE(F) | 0.43 | | TOTAL 1002.05 | |
| SILICA(SIO2) | 42 | | | |
| TOTAL ANION | | 9.03 | | |
| TOTAL ION | 682 | | | |

| | |
|---|---|
| TDS(180 C) | 543 |
| TOT ION-0.5 HCO3= | 535 |
| EC(25 C) | 892 UMHOS |
| EC(DIL)= 98.8 X 10.0 = | 988 UMHOS |
| ALK. AS CACO3 | 240 |
| PH | 7.38 |

ACCURACY CHECK

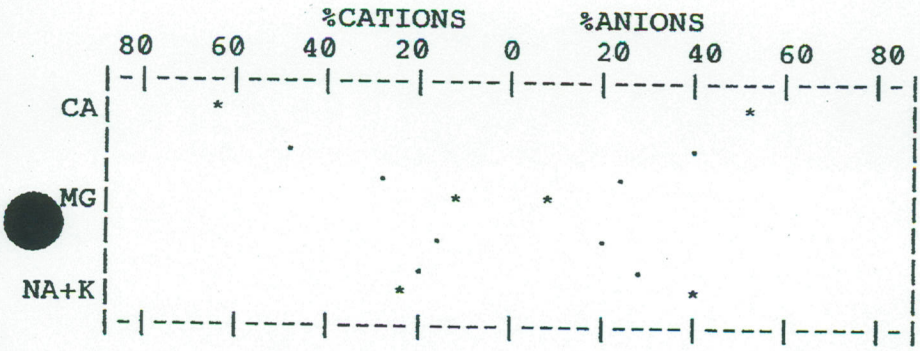
| | | RANGE |
|---|---|---|
| ION | 1.031 | (.96 TO 1.04) |
| TDS | 1.015 | (.90 TO 1.10) |
| EC | 0.986 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 12 | +/- | 1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.009 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.012 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3853

# GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Paul Breeden #2
1110 12-22-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

## MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 195 | 9.73 | 505.96 | 46.33 |
| MAGNESIUM(MG) | 31 | 2.55 | 118.83 | 12.14 |
| SODIUM(NA) | 198 | 8.61 | 421.03 | 41.00 |
| POTASSIUM(K) | 4.4 | 0.11 | 7.92 | 0.52 |
| TOTAL CATION | | 21 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 320 | 5.24 | 228.46 | 25.95 |
| SULFATE(SO4) | 84 | 1.75 | 129.33 | 8.67 |
| CHLORIDE(CL) | 468 | 13.20 | 1001.88 | 65.38 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.47 | TOTAL | 2413.41 | |
| SILICA(SIO2) | 38 | | | |
| TOTAL ANION | | 20.19 | | |
| TOTAL ION | 1339 | | | |

| | |
|---|---|
| TDS(180 C) | 1280 |
| TOT ION-0.5 HCO3= | 1179 |
| EC(25 C) | 2100 UMHOS |
| EC(DIL)=108.1 X 22.2 = | 2400 UMHOS |
| ALK. AS CACO3 | 262 |
| PH | 7.26 |

ACCURACY CHECK

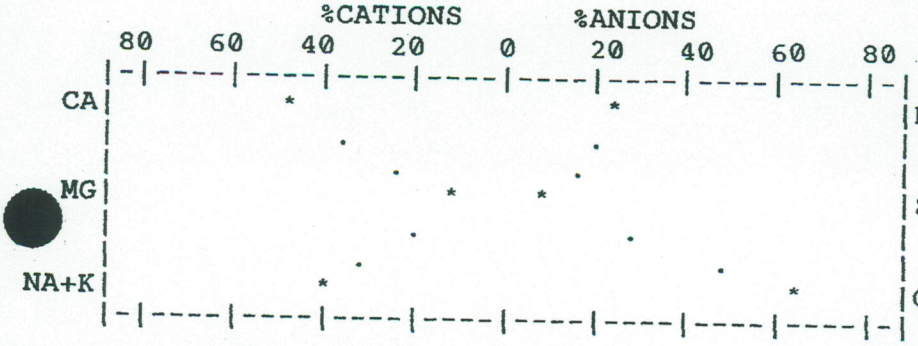
| | | RANGE |
|---|---|---|
| ION | 1.040 | (.96 TO 1.04) |
| TDS | 1.086 | (.90 TO 1.10) |
| EC | 0.994 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | |
|---|---|---|
| GROSS ALPHA | | +/- |
| GROSS BETA | | +/- |
| RADIUM 226 | 15 | +/- 1 |

## MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | 0.03 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 1.1 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3854

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Paul Breeden #3
0955 12-22-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 33 | 1.65 | 85.80 | 15.05 |
| MAGNESIUM(MG) | 14 | 1.15 | 53.59 | 10.49 |
| SODIUM(NA) | 185 | 8.05 | 393.65 | 73.45 |
| POTASSIUM(K) | 4.2 | 0.11 | 7.92 | 1.00 |
| TOTAL CATION | | 10.96 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 361 | 5.92 | 258.11 | 51.84 |
| SULFATE(SO4) | 26 | 0.54 | 39.91 | 4.73 |
| CHLORIDE(CL) | 176 | 4.96 | 376.46 | 43.43 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.60 | | TOTAL | 1215.44 |
| SILICA(SIO2) | 26 | | | |
| TOTAL ANION | | 11.42 | | |
| TOTAL ION | 826 | | | |

| | |
|---|---|
| TDS(180 C) | 643 |
| TOT ION-0.5 HCO3= | 645 |
| EC(25 C) | 1140 UMHOS |
| EC(DIL)= 99.2 X 12.5 = | 1240 UMHOS |
| ALK. AS CACO3 | 296 |
| PH | 7.57 |

ACCURACY CHECK

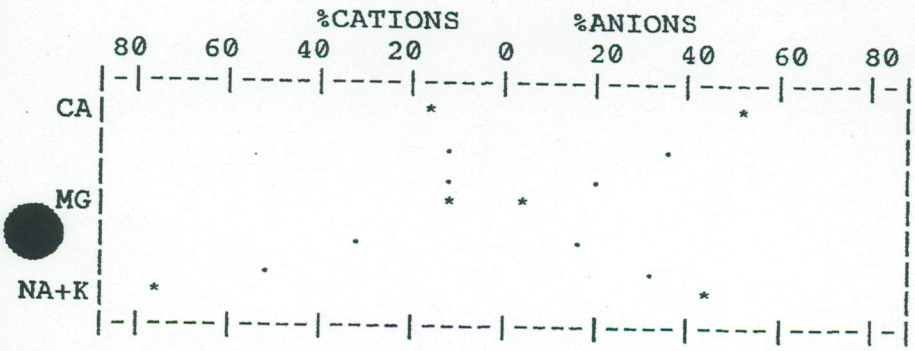
| | | RANGE |
|---|---|---|
| ION | 0.960 | (.96 TO 1.04) |
| TDS | 0.996 | (.90 TO 1.10) |
| EC | 1.020 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1.1 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.08 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3855

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Lewis Bitterly 1
0945 01-02-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 127 | 6.34 | 329.68 | 53.64 |
| MAGNESIUM(MG) | 20 | 1.64 | 76.42 | 13.87 |
| SODIUM(NA) | 87 | 3.78 | 184.84 | 31.98 |
| POTASSIUM(K) | 2.4 | 0.06 | 4.32 | 0.51 |
| TOTAL CATION | | 11.82 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 326 | 5.34 | 232.82 | 47.09 |
| SULFATE(SO4) | 42 | 0.87 | 64.29 | 7.67 |
| CHLORIDE(CL) | 182 | 5.13 | 389.37 | 45.24 |
| NITRATE(NO3-N) | 2.1 | | | |
| FLUORIDE(F) | 0.62 | | TOTAL 1281.75 | |
| SILICA(SIO2) | 29 | | | |
| TOTAL ANION | | 11.34 | | |
| TOTAL ION | 818 | | | |

| | |
|---|---|
| TDS(180 C) | 665 |
| TOT ION-0.5 HCO3= | 655 |
| EC(25 C) | 1150 UMHOS |
| EC(DIL)=103.2 X 12.5 = | 1290 UMHOS |
| ALK. AS CACO3 | 267 |
| PH | 7.26 |

ACCURACY CHECK

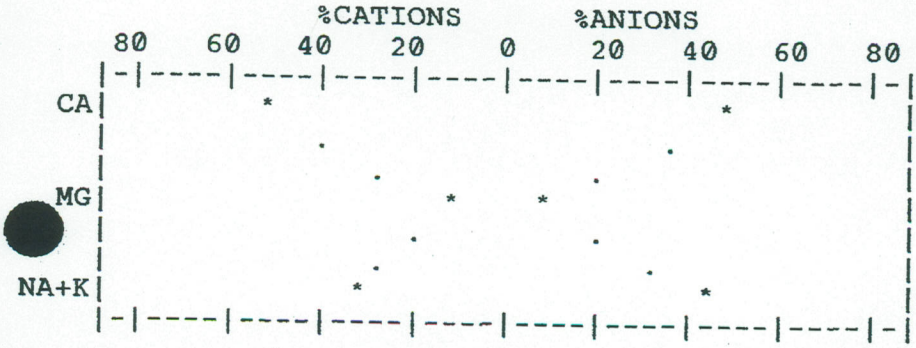
| | | RANGE |
|---|---|---|
| ION | 1.042 | (.96 T0 1.04) |
| TDS | 1.015 | (.90 TO 1.10) |
| EC | 1.006 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.5 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.006 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-015

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Kenneth Liesman 1
1300 01-02-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 140 | 6.99 | 363.48 | 63.09 |
| MAGNESIUM(MG) | 11 | 0.90 | 41.94 | 8.12 |
| SODIUM(NA) | 72 | 3.13 | 153.06 | 28.25 |
| POTASSIUM(K) | 2.3 | 0.06 | 4.32 | 0.54 |
| TOTAL CATION | | 11.08 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 443 | 7.26 | 316.54 | 69.67 |
| SULFATE(SO4) | 38 | 0.79 | 58.38 | 7.58 |
| CHLORIDE(CL) | 84 | 2.37 | 179.88 | 22.74 |
| NITRATE(NO3-N) | 5.4 | | | |
| FLUORIDE(F) | 0.30 | | | |
| SILICA(SIO2) | 36 | | | |
| TOTAL ANION | | 10.42 | | |
| TOTAL ION | 832 | | | |
| TDS(180 C) | 621 | | | |
| TOT ION-0.5 HCO3= | 611 | | | |
| EC(25 C) | 1020 UMHOS | | | |
| EC(DIL)= 91.2 X 12.5 = | 1140 UMHOS | | | |
| ALK. AS CACO3 | 363 | | | |
| PH | 7.18 | | | |

TOTAL 1117.60

ACCURACY CHECK

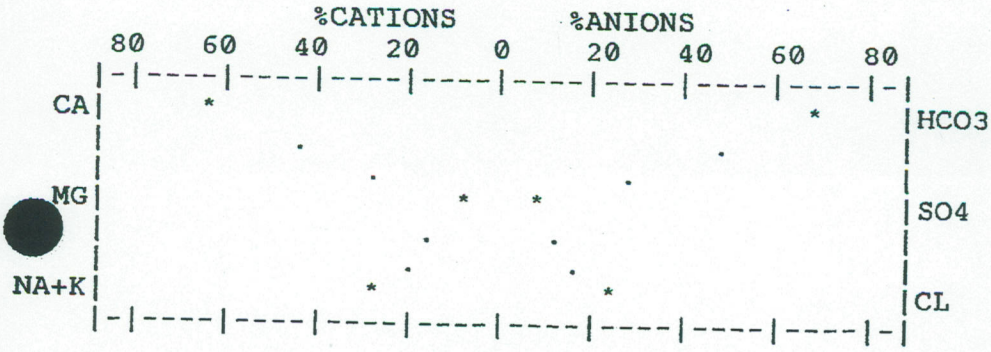
| | | RANGE |
|---|---|---|
| ION | 1.063 | (.96 T0 1.04) |
| TDS | 1.017 | (.90 TO 1.10) |
| EC | 1.020 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.6 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.004 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.003 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-016

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Deanna Wacker 1
1040 01-02-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 13, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 115 | 5.74 | 298.48 | 50.71 |
| MAGNESIUM(MG) | 21 | 1.73 | 80.62 | 15.28 |
| SODIUM(NA) | 86 | 3.74 | 182.89 | 33.04 |
| POTASSIUM(K) | 4.2 | 0.11 | 7.92 | 0.97 |
| TOTAL CATION | | 11.32 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 320 | 5.24 | 228.46 | 47.85 |
| SULFATE(SO4) | 37 | 0.77 | 56.90 | 7.03 |
| CHLORIDE(CL) | 175 | 4.94 | 374.95 | 45.11 |
| NITRATE(NO3-N) | 3.1 | | | |
| FLUORIDE(F) | 0.70 | TOTAL | 1230.22 | |
| SILICA(SIO2) | 31 | | | |
| TOTAL ANION | | 10.95 | | |
| TOTAL ION | 793 | | | |

| | |
|---|---|
| TDS(180 C) | 645 |
| TOT ION-0.5 HCO3= | 633 |
| EC(25 C) | 1100 UMHOS |
| EC(DIL)= 96.8 X 12.5 = | 1210 UMHOS |
| ALK. AS CACO3 | 262 |
| PH | 7.38 |

ACCURACY CHECK

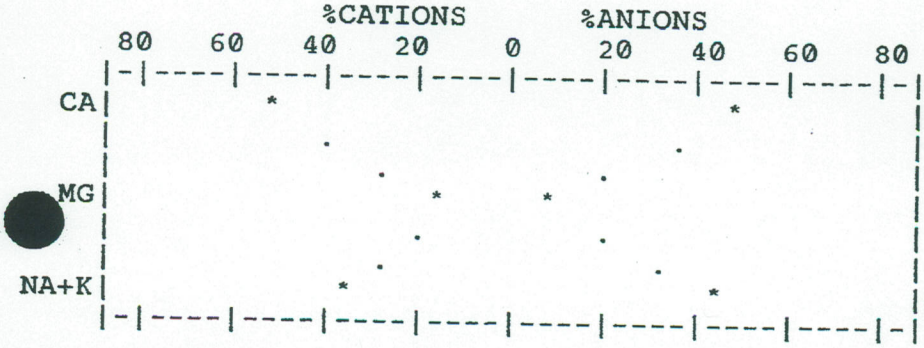
| | | RANGE |
|---|---|---|
| ION | 1.034 | (.96 TO 1.04) |
| TDS | 1.019 | (.90 TO 1.10) |
| EC | 0.984 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.4 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.004 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-018

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Harold Becker #1
1005 1-3-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 14, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 81 | 4.04 | 210.08 | 37.13 |
| MAGNESIUM(MG) | 19 | 1.56 | 72.70 | 14.34 |
| SODIUM(NA) | 120 | 5.22 | 255.26 | 47.98 |
| POTASSIUM(K) | 2.5 | 0.06 | 4.32 | 0.55 |
| | TOTAL CATION | 10.88 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 362 | 5.93 | 258.55 | 56.80 |
| SULFATE(SO4) | 46 | 0.96 | 70.94 | 9.20 |
| CHLORIDE(CL) | 126 | 3.55 | 269.45 | 34.00 |
| NITRATE(NO3-N) | .13 | | | |
| FLUORIDE(F) | .79 | | TOTAL | 1141.29 |
| SILICA(SIO2) | 39 | | | |
| | TOTAL ANION | 10.44 | | |
| TOTAL ION | 796 | | | |

| | |
|---|---|
| TDS(180 C) | 638 |
| TOT ION-0.5 HCO3= | 615 |
| EC(25 C) | 1020 UMHOS |
| EC(DIL)= 90.4 X 12.5 = | 1130 UMHOS |
| ALK. AS CACO3 | 297 |
| PH | 7.43 |

ACCURACY CHECK

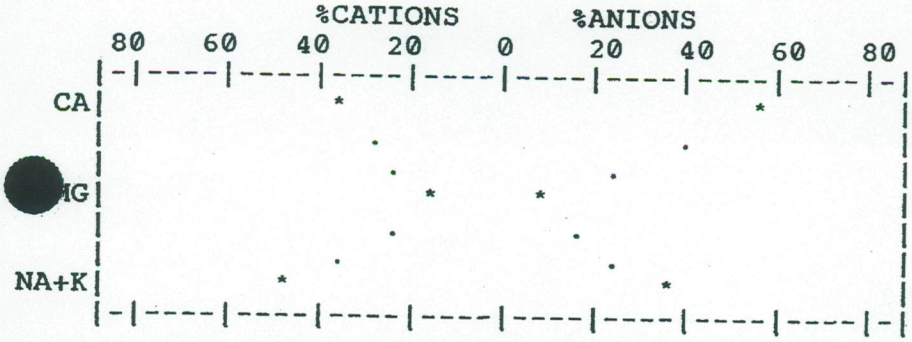
| | | RANGE |
|---|---|---|
| ION | 1.042 | (.96 TO 1.04) |
| TDS | 1.037 | (.90 TO 1.10) |
| EC | 0.990 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.2 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | <0.001 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | 0.03 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.004 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-027

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Reta Brown #1
0850 1-3-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 14, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 105 | 5.24 | 272.48 | 46.09 |
| MAGNESIUM(MG) | 19 | 1.56 | 72.70 | 13.72 |
| SODIUM(NA) | 103 | 4.48 | 219.07 | 39.40 |
| POTASSIUM(K) | 3.6 | 0.09 | 6.48 | 0.79 |
| TOTAL CATION | | 11.37 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 303 | 4.97 | 216.69 | 45.93 |
| SULFATE(SO4) | 37 | 0.77 | 56.90 | 7.12 |
| CHLORIDE(CL) | 180 | 5.08 | 385.57 | 46.95 |
| NITRATE(NO3-N) | 1.6 | | | |
| FLUORIDE(F) | 0.57 | | TOTAL 1229.90 | |
| SILICA(SIO2) | 38 | | | |
| TOTAL ANION | | 10.82 | | |
| TOTAL ION | 791 | | | |

| | |
|---|---|
| TDS(180 C) | 693 |
| TOT ION-0.5 HCO3= | 639 |
| EC(25 C) | 1110 UMHOS |
| EC(DIL)= 97.6 X 12.5 = | 1220 UMHOS |
| ALK. AS CACO3 | 248 |
| PH | 7.35 |

ACCURACY CHECK

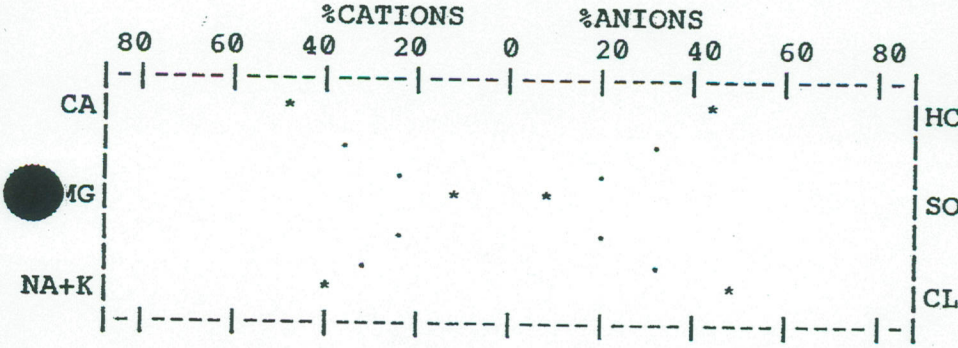
| | | RANGE |
|---|---|---|
| ION | 1.051 | (.96 TO 1.04) |
| TDS | 1.084 | (.90 TO 1.10) |
| EC | 0.992 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.4 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.03 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-028

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: W.A. Wimberly #1
1120 1-3-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: February 14, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 83 | 4.14 | 215.28 | 39.54 |
| MAGNESIUM(MG) | 16 | 1.32 | 61.51 | 12.61 |
| SODIUM(NA) | 113 | 4.92 | 240.59 | 46.99 |
| POTASSIUM(K) | 3.7 | 0.09 | 6.48 | 0.86 |
| TOTAL CATION | | 10.47 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 325 | 5.33 | 232.39 | 53.19 |
| SULFATE(SO4) | 2 | 0.04 | 2.96 | 0.40 |
| CHLORIDE(CL) | 165 | 4.65 | 352.94 | 46.41 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | .43 | | TOTAL 1112.14 | |
| SILICA(SIO2) | 32 | | | |
| TOTAL ANION | | 10.02 | | |
| TOTAL ION | 740 | | | |

| | |
|---|---|
| TDS(180 C) | 600 |
| TOT ION-0.5 HCO3= | 578 |
| EC(25 C) | 1010 UMHOS |
| EC(DIL)= 88.0 X 12.5 = | 1100 UMHOS |
| ALK. AS CACO3 | 266 |
| PH | 7.50 |

ACCURACY CHECK

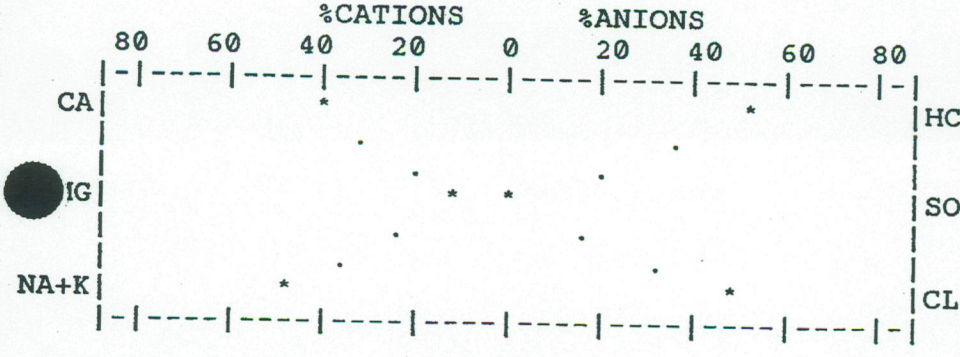
| | | RANGE |
|---|---|---|
| ION | 1.045 | (.96 TO 1.04) |
| TDS | 1.039 | (.90 TO 1.10) |
| EC | 0.989 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.5 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | 0.03 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.05 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | <0.001 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-029

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Aldon Bade #1
12/19/06 @ 1005 Hr.
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: JANUARY 26, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 110 | 5.49 | 285.48 | 46.88 |
| MAGNESIUM(MG) | 19 | 1.56 | 72.70 | 13.32 |
| SODIUM(NA) | 105 | 4.57 | 223.47 | 39.03 |
| POTASSIUM(K) | 3.6 | 0.09 | 6.48 | 0.77 |
| TOTAL CATION | | 11.71 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 312 | 5.11 | 222.80 | 44.90 |
| SULFATE(SO4) | 60 | 1.25 | 92.38 | 10.98 |
| CHLORIDE(CL) | 178 | 5.02 | 381.02 | 44.11 |
| NITRATE(NO3-N) | 1.3 | | | |
| FLUORIDE(F) | 0.51 | TOTAL | 1284.32 | |
| SILICA(SIO2) | 40 | | | |
| TOTAL ANION | | 11.38 | | |
| TOTAL ION | 829 | | | |

| | |
|---|---|
| TDS(180 C) | 685 |
| TOT ION-0.5 HCO3= | 673 |
| EC(25 C) | 1160 UMHOS |
| EC(DIL)=103.2 X 12.5 = | 1290 UMHOS |
| ALK. AS CACO3 | 256 |
| PH | 7.39 |

ACCURACY CHECK

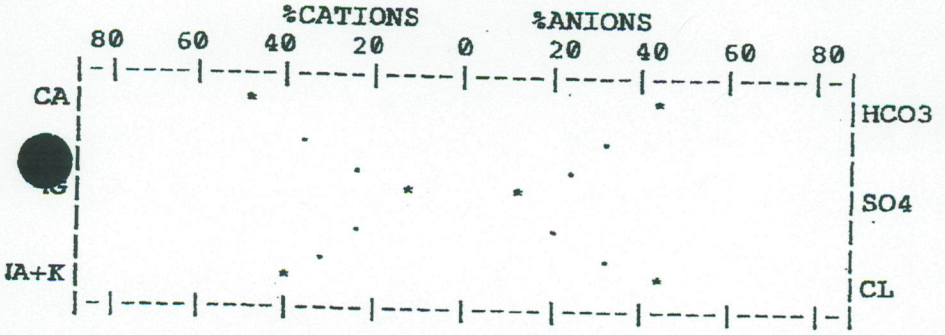
| | | RANGE |
|---|---|---|
| ION | 1.029 | (.96 TO 1.04) |
| TDS | 1.017 | (.90 TO 1.10) |
| EC | 1.004 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.6 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3805

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Aldon Bade #2
12/19/06 @ 1120 Hr.
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: JANUARY 26, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 110 | 5.49 | 285.48 | 46.37 |
| MAGNESIUM(MG) | 18 | 1.48 | 68.97 | 12.50 |
| SODIUM(NA) | 110 | 4.78 | 233.74 | 40.37 |
| POTASSIUM(K) | 3.6 | 0.09 | 6.48 | 0.76 |
| TOTAL CATION | | 11.84 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 310 | 5.08 | 221.49 | 44.76 |
| SULFATE(SO4) | 60 | 1.25 | 92.38 | 11.01 |
| CHLORIDE(CL) | 178 | 5.02 | 381.02 | 44.23 |
| NITRATE(NO3-N) | 1.5 | | | |
| FLUORIDE(F) | .57 | TOTAL | 1289.55 | |
| SILICA(SIO2) | 42 | | | |
| TOTAL ANION | | 11.35 | | |
| TOTAL ION | 834 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 665 | |
| TOT ION-0.5 HCO3= | 679 | |
| EC(25 C) | 1150 | UMHOS |
| EC(DIL)=102.4 X 12.5 = | 1280 | UMHOS |
| ALK. AS CACO3 | 254 | |
| PH | 7.33 | |

ACCURACY CHECK

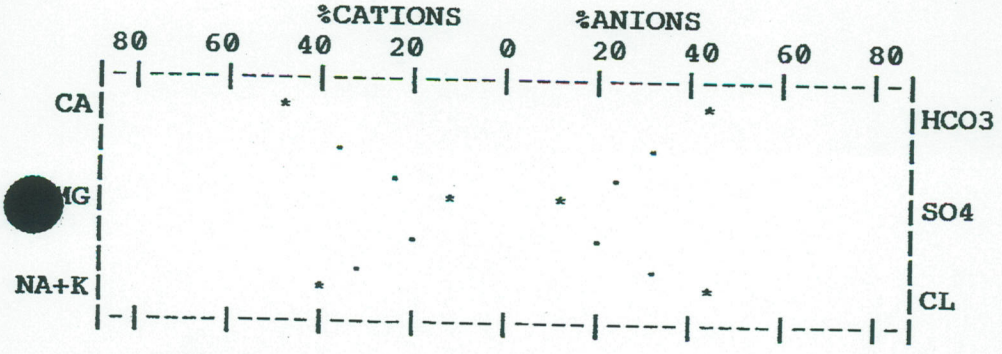
| | | RANGE |
|---|---|---|
| ION | 1.043 | (.96 TO 1.04) |
| TDS | 0.980 | (.90 TO 1.10) |
| EC | 0.993 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1.0 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.002 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3806

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: January 29,2007
IDENTIFICATION: St. Peter's Church No. 1
0905 12-20-06
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 125 | 6.24 | 324.48 | 48.04 |
| MAGNESIUM(MG) | 16 | 1.32 | 61.51 | 10.16 |
| SODIUM(NA) | 124 | 5.39 | 263.57 | 41.49 |
| POTASSIUM(K) | 1.6 | 0.04 | 2.88 | 0.31 |
| TOTAL CATION | | 12.99 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 504 | 8.26 | 360.14 | 67.05 |
| SULFATE(SO4) | 27 | 0.56 | 41.38 | 4.55 |
| CHLORIDE(CL) | 124 | 3.50 | 265.65 | 28.41 |
| NITRATE(NO3-N) | 3.0 | | | |
| FLUORIDE(F) | 0.55 | TOTAL | 1319.61 | |
| SILICA(SIO2) | 63 | | | |
| TOTAL ANION | | 12.32 | | |
| TOTAL ION | 988 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 751 | |
| TOT ION-0.5 HCO3= | 736 | |
| EC(25 C) | 1170 | UMHOS |
| EC(DIL)=104.8 X 12.5 = | 1310 | UMHOS |
| ALK. AS CACO3 | 413 | |
| PH | 7.27 | |

ACCURACY CHECK

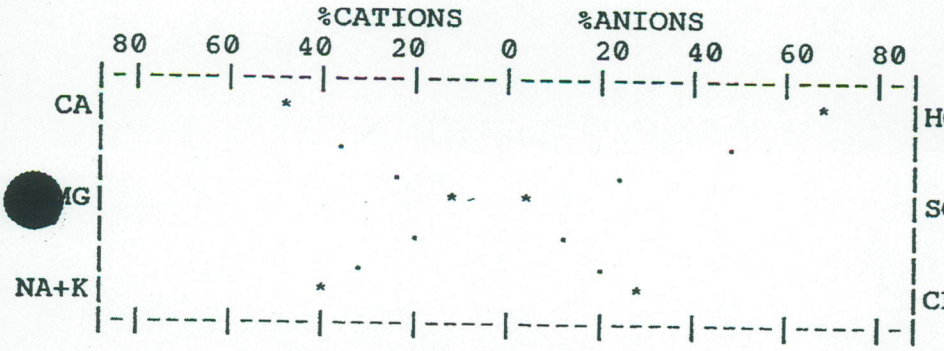
| | | RANGE |
|---|---|---|
| ION | 1.054 | (.96 TO 1.04) |
| TDS | 1.020 | (.90 TO 1.10) |
| EC | 0.993 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.2 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.008 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.004 | | |
| IRON(FE) | 0.03 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3837

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: January 29,2007
IDENTIFICATION: St. Peter's Church No. 2
0935 12-20-06
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 340 | 16.97 | 882.44 | 69.27 |
| MAGNESIUM(MG) | 27 | 2.22 | 103.45 | 9.06 |
| SODIUM(NA) | 120 | 5.22 | 255.26 | 21.31 |
| POTASSIUM(K) | 3.6 | 0.09 | 6.48 | 0.37 |
| | TOTAL CATION | 24.5 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 359 | 5.88 | 256.37 | 25.48 |
| SULFATE(SO4) | 184 | 3.83 | 283.04 | 16.59 |
| CHLORIDE(CL) | 474 | 13.37 | 1014.78 | 57.93 |
| NITRATE(NO3-N) | 10 | | | |
| FLUORIDE(F) | 0.21 | TOTAL | 2801.82 | |
| SILICA(SIO2) | 37 | | | |
| | TOTAL ANION | 23.08 | | |
| TOTAL ION | 1555 | | | |

| | |
|---|---|
| TDS(180 C) | 1510 |
| TOT ION-0.5 HCO3= | 1375 |
| EC(25 C) | 2360 UMHOS |
| EC(DIL)=113.2 X 25.0 = | 2830 UMHOS |
| ALK. AS CACO3 | 294 |
| PH | 7.12 |

ACCURACY CHECK

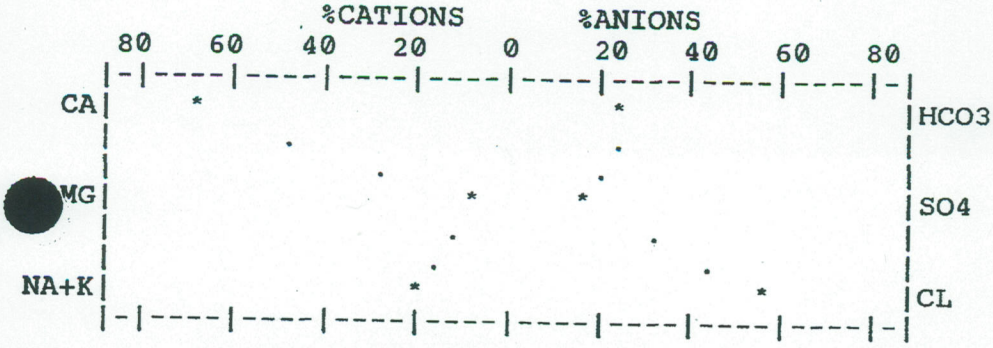
| | | RANGE |
|---|---|---|
| ION | 1.062 | (.96 TO 1.04) |
| TDS | 1.098 | (.90 TO 1.10) |
| EC | 1.010 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.2 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.005 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3838

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Harley Martin No. 1
1230 12-20-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 29,2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 95 | 4.74 | 246.48 | 75.48 |
| MAGNESIUM(MG) | 7.6 | 0.63 | 29.36 | 10.03 |
| SODIUM(NA) | 20 | 0.87 | 42.54 | 13.85 |
| POTASSIUM(K) | 1.6 | 0.04 | 2.88 | 0.64 |
| TOTAL CATION | | 6.28 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 344 | 5.64 | 245.90 | 88.82 |
| SULFATE(SO4) | 8 | 0.17 | 12.56 | 2.68 |
| CHLORIDE(CL) | 19 | 0.54 | 40.99 | 8.50 |
| NITRATE(NO3-N) | 2.9 | | | |
| FLUORIDE(F) | 0.40 | TOTAL | 620.71 | |
| SILICA(SIO2) | 36 | | | |
| TOTAL ANION | | 6.35 | | |
| TOTAL ION | 535 | | | |

| | | |
|---|---|---|
| TDS(180 C) | 390 | |
| TOT ION-0.5 HCO3= | 363 | |
| EC(25 C) | 532 | UMHOS |
| EC(DIL)= 93.8 X 6.3 = | 591 | UMHOS |
| ALK. AS CACO3 | 282 | |
| PH | 7.44 | |

ACCURACY CHECK

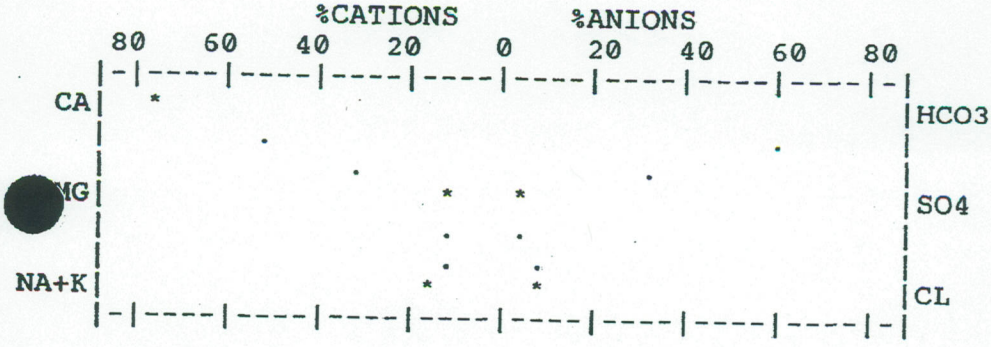
| | | RANGE |
|---|---|---|
| ION | 0.989 | (.96 T0 1.04) |
| TDS | 1.076 | (.90 TO 1.10) |
| EC | 0.952 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.8 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.005 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3839

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Arthur Jolly #1
1000 12-21-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 29, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 105 | 5.24 | 272.48 | 46.91 |
| MAGNESIUM(MG) | 20 | 1.64 | 76.42 | 14.68 |
| SODIUM(NA) | 96 | 4.18 | 204.40 | 37.42 |
| POTASSIUM(K) | 4.3 | 0.11 | 7.92 | 0.98 |
| TOTAL CATION | | 11.17 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 328 | 5.38 | 234.57 | 49.86 |
| SULFATE(SO4) | 43 | 0.90 | 66.51 | 8.34 |
| CHLORIDE(CL) | 160 | 4.51 | 342.31 | 41.80 |
| NITRATE(NO3-N) | 1.8 | | | |
| FLUORIDE(F) | 0.62 | | TOTAL 1204.61 | |
| SILICA(SIO2) | 35 | | | |
| TOTAL ANION | | 10.79 | | |
| TOTAL ION | 794 | | | |

| | |
|---|---|
| TDS(180 C) | 663 |
| TOT ION-0.5 HCO3= | 630 |
| EC(25 C) | 1090 UMHOS |
| EC(DIL)= 97.6 X 12.5 = | 1220 UMHOS |
| ALK. AS CACO3 | 269 |
| PH | 7.42 |

ACCURACY CHECK

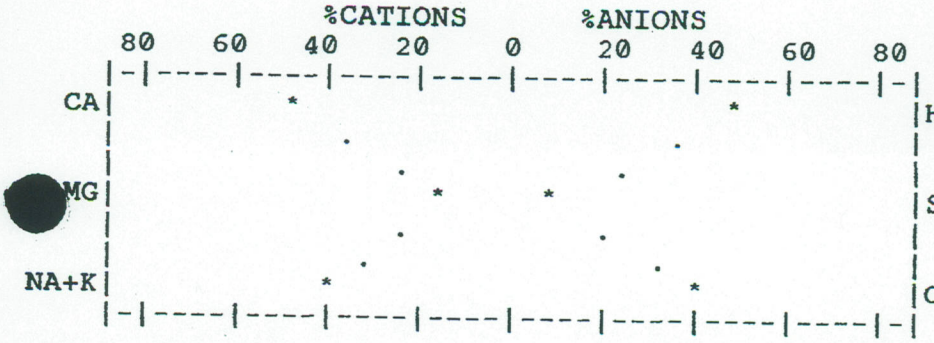
| | | RANGE |
|---|---|---|
| ION | 1.035 | (.96 TO 1.04) |
| TDS | 1.053 | (.90 TO 1.10) |
| EC | 1.013 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | 0 | +/- | 0 |
| GROSS BETA | 0 | +/- | 0 |
| RADIUM 226 | 0.8 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.004 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.001 | | |
| IRON(FE) | 0.03 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3848

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Cecelia Edwards #1
1100 12-21-06
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: January 29, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 100 | 4.99 | 259.48 | 46.55 |
| MAGNESIUM(MG) | 20 | 1.64 | 76.42 | 15.30 |
| SODIUM(NA) | 92 | 4.00 | 195.60 | 37.31 |
| POTASSIUM(K) | 3.6 | 0.09 | 6.48 | 0.84 |
| TOTAL CATION | | 10.72 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 322 | 5.28 | 230.21 | 48.62 |
| SULFATE(SO4) | 43 | 0.90 | 66.51 | 8.29 |
| CHLORIDE(CL) | 166 | 4.68 | 355.21 | 43.09 |
| NITRATE(NO3-N) | 1.5 | | | |
| FLUORIDE(F) | 0.65 | TOTAL | 1189.91 | |
| SILICA(SIO2) | 35 | | | |
| TOTAL ANION | | 10.86 | | |
| TOTAL ION | 784 | | | |

| | |
|---|---|
| TDS(180 C) | 675 |
| TOT ION-0.5 HCO3= | 623 |
| EC(25 C) | 1050 UMHOS |
| EC(DIL)= 92.8 X 12.5 = | 1160 UMHOS |
| ALK. AS CACO3 | 264 |
| PH | 7.48 |

ACCURACY CHECK

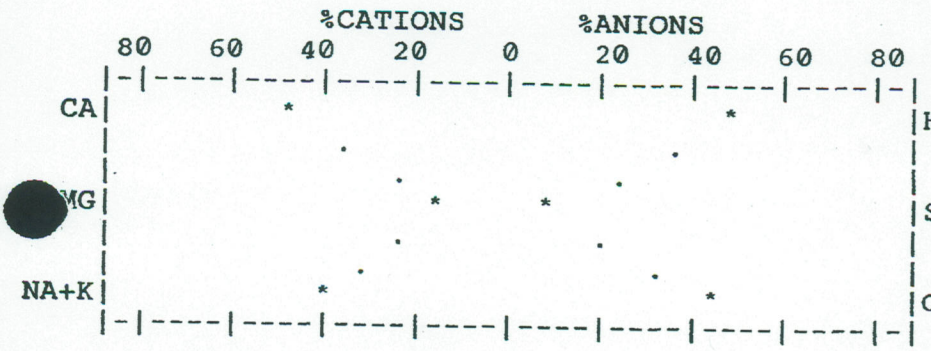
| | | RANGE |
|---|---|---|
| ION | 0.987 | (.96 TO 1.04) |
| TDS | 1.084 | (.90 TO 1.10) |
| EC | 0.975 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.3 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | 0 | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.002 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M44-3847

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: Dornberg Water Well
2-27-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: March 20, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 108 | 5.39 | 280.28 | 47.49 |
| MAGNESIUM(MG) | 18 | 1.48 | 68.97 | 13.04 |
| SODIUM(NA) | 100.8 | 4.38 | 214.18 | 38.59 |
| POTASSIUM(K) | 3.9 | 0.10 | 7.20 | 0.88 |
| TOTAL CATION | | 11.35 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 299 | 4.90 | 213.64 | 43.36 |
| SULFATE(SO4) | 35 | 0.73 | 53.95 | 6.46 |
| CHLORIDE(CL) | 201 | 5.67 | 430.35 | 50.18 |
| NITRATE(NO3-N) | 1.3 | | | |
| FLUORIDE(F) | 0.49 | TOTAL | 1268.57 | |
| SILICA(SIO2) | 34 | | | |
| TOTAL ANION | | 11.30 | | |
| TOTAL ION | 801 | | | |

| | |
|---|---|
| TDS(180 C) | 613 |
| TOT ION-0.5 HCO3= | 652 |
| EC(25 C) | 1160 UMHOS |
| EC(DIL)=100.8 X 12.5 = | 1260 UMHOS |
| ALK. AS CACO3 | 245 |
| PH | 7.56 |

ACCURACY CHECK

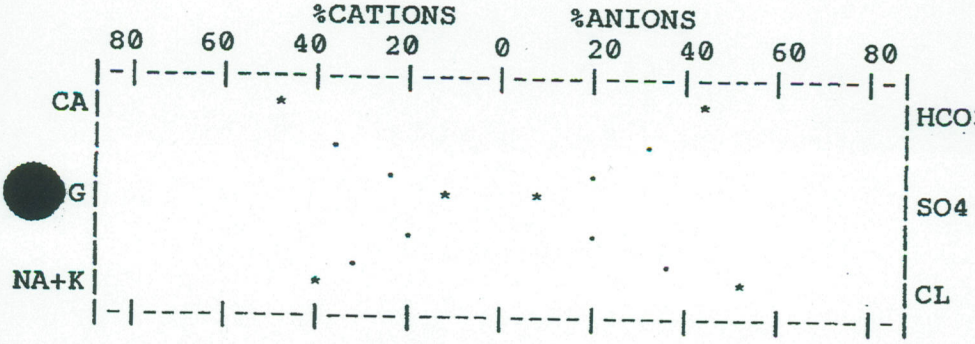
| | | RANGE |
|---|---|---|
| ION | 1.004 | (.96 TO 1.04) |
| TDS | 0.940 | (.90 TO 1.10) |
| EC | 0.993 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 0.5 | +/- | 0.1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.005 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | <0.01 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.003 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-644

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
April 03, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3304 | Jacobs Well 1115 10-25-06 | 11 +/- 4 | 7.8 +/- 1.8 |
| M44-3306 | Abrameit Windmill 1318 10-25-07 | 31 +/- 6 | 18 +/- 3 |
| M45-604 | Rig Supply Well 2-22-07 | 11 +/- 4 | 6.1 +/- 2.3 |

Analyst: Moore/Nixon
Analysis Date: 04-02-07 04-02-07
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 12, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3756 | Jim Bluntzer 1<br>1145 12-14-06 | 15 +/- 4 | 12 +/- 2 |
| M44-3757 | Joe Jacobs 1<br>0900 12-14-06 | 15 +/- 6 | 15 +/- 3 |
| M44-3758 | Joe Jacobs 2<br>1330 12-14-06 | 27 +/- 7 | 8.7 +/- 2.7 |
| M44-3759 | Margaret Rutherford 1<br>1000 12-14-06 | 11 +/- 4 | 9.0 +/- 2.2 |
| M44-3760 | Margaret Rutherford 2<br>1040 12-14-06 | 11 +/- 4 | 9.4 +/- 2.2 |
| M44-3761 | Marlene Wesselman 1<br>1230 12-14-06 | 6.8 +/- 2.7 | 7.1 +/- 1.6 |

Analyst: Moore/Nixon
Analysis Date: 02-07-07 02-07-07
Method: 900.0

Respectfully Submitted,

CFC

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 12, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3773 | David Cheek 1<br>1300 12-15-06 | 14 +/- 5 | 12 +/- 3 |
| M44-3774 | David Cheek 2<br>1340 12-15-06 | 8.8 +/- 4.1 | 7.3 +/- 2.7 |
| M44-3775 | Craig Duderstaedt 1<br>1010 12-15-06 | 3.3 +/- 4.1 | 6.7 +/- 2.4 |
| M44-3776 | Craig Duderstaedt 2<br>1015 12-15-06 | 6.3 +/- 3.3 | 7.3 +/- 1.8 |
| M44-3777 | Ernest Hausman 1<br>1100 12-15-06 | 5.4 +/- 3.3 | 7.5 +/- 1.9 |
| M44-3778 | Ernest Hausman 2<br>1150 12-15-06 | 2.1 +/- 2.1 | 5.2 +/- 1.4 |
| M44-3779 | Michael Walker 1<br>0915 12-15-06 | 10 +/- 6 | 21 +/- 5 |

Analyst: Moore/Nixon
Analysis Date: 02-08-07 02-08-07
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3795 | Tom Anklam 1<br>1210 12-18-06 | 13 +/- 4 | 9.6 +/- 2.0 |
| M44-3796 | Otto Bluntzer 1<br>0935 12-18-06 | 4.9 +/- 2.4 | 4.6 +/- 1.3 |
| M44-3797 | Gary Halepeska<br>1030 12-18-06 | 11 +/- 6 | 6.1 +/- 3.4 |
| M44-3798 | Ted Long 1<br>1305 12-18-06 | 8.5 +/- 3.7 | 29 +/- 3 |

Analyst: Moore/Nixon
Analysis Date: 02-08-07 08-08-07
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3805 | Aldon Bade 1<br>1005 12-19-06 | 6.6 +/- 3.7 | 6.3 +/- 2.0 |
| M44-3806 | Aldon Bade 2<br>1120 12-19-06 | 11 +/- 4 | 7.2 +/- 2.0 |
| M44-3807 | Margaret Braquet 1<br>1320 12-19-06 | 4.9 +/- 6.3 | 7.9 +/- 3.7 |
| M44-3808 | Margaret Braquet 2<br>1330 12-19-06 | 35 +/- 7 | 9.3 +/- 2.5 |
| M44-3809 | Gary Halepeska 2<br>0855 12-19-06 | 10 +/- 4 | 6.8 +/- 2.3 |

Analyst: Moore/Nixon
Analysis Date: 02-08-07 02-08-07
Method: 900.0

Respectfully Submitted,

CC

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3836 | Otto Bluntzer 2 1410 12-20-06 | 2.5 +/- 2.2 | 5.8 +/- 1.6 |
| M44-3837 | St. Peters Church 1 0905 12-20-06 | 7.3 +/- 4.0 | 4.5 +/- 2.4 |
| M44-3838 | St. Peters Church 2 0935 12-20-06 | 8.9 +/- 6.7 | 6.7 +/- 3.5 |
| M44-3839 | Harley Martin 1 1230 12-20-06 | 3.5 +/- 2.0 | 5.7 +/- 1.3 |
| M44-3840 | Chiquita Tolbert 1 1110 12-20-06 | 2.8 +/- 2.5 | 2.8 +/- 1.5 |

Analyst: Moore/Nixon
Analysis Date: 02-09-07 02-09-07
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3847 | Cecilia Edwards 1 1100 12-21-06 | 6.7 +/- 3.5 | 5.4 +/- 2.1 |
| M44-3848 | Auther Jolly 1 1000 12-21-06 | 4.4 +/- 2.8 | 8.4 +/- 2.4 |
| M44-3849 | R.G. Stafford 1 0905 12-21-06 | 8.1 +/- 3.6 | 7.4 +/- 2.0 |
| M44-3850 | Richard Tolbert 3 1235 12-21-06 | 30 +/- 9 | 8.8 +/- 4.6 |

Analyst: Moore/Nixon
Analysis Date: 02-09-06 02-09-06
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M44-3853 | Paul Breeden 1 1050 12-22-06 | 15 +/- 4 | 6.6 +/- 1.6 |
| M44-3854 | Paul Breeden 2 1110 12-22-06 | 18 +/- 7 | 6.9 +/- 3.1 |
| M44-3855 | Paul Breeden 3 0955 12-22-06 | 2.8 +/- 3.2 | 6.7 +/- 2.1 |
| M44-3856 | Bonnie Gisler Schley 1 1250 12-22-06 | 4.4 +/- 3.6 | 5.3 +/- 2.3 |

Analyst: Moore/Nixon
Analysis Date: 02-09-06 02-09-06
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M45-014 | Elder Abremeit 1140 01-02-07 | 8.7 +/- 3.6 | 5.8 +/- 2.5 |
| M45-015 | Lewis Bitterly 1 0945 01-02-07 | 9.7 +/- 3.7 | 4.8 +/- 2.1 |
| M45-016 | Kenneth Liesman 1 0900 01-02-07 | 4.9 +/- 3.2 | 5.2 +/- 2.1 |
| M45-017 | Lawrence Schrade 1 0900 01-02-07 | 5.5 +/- 3.5 | 6.6 +/- 1.9 |
| M45-018 | Deanna Wacker 1 1040 01-02-07 | 6.4 +/- 3.4 | 6.6 +/- 1.9 |

Analyst: Moore/Nixon
Analysis Date: 01-12-07 01-12-07
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

TEL. 361-884-0371

PO BOX 2552 78403

JORDAN LABORATORIES, INCORPORATED
ANALYTICAL & ENVIRONMENTAL CHEMISTS
CORPUS CHRISTI, TEXAS
February 13, 2007

URANIUM ENERGY CORPORATION
P.O. Box 1329
Kingsville, TX 78364

Report of Analysis

| Lab No. | Identification | Gross Alpha Activity pCi/L | Gross Beta Activity pCi/L |
|---|---|---|---|
| M45-027 | Harold Becker 1<br>1005 01-03-07 | 7.5 +/- 3.6 | 5.6 +/- 1.8 |
| M45-028 | Reta Brown 1<br>0850 01-03-07 | 5.1 +/- 3.5 | 5.4 +/- 2.2 |
| M45-029 | W.A. Wimberly<br>1120 01-03-07 | 1.7 +/- 2.3 | 5.2 +/- 2.2 |

Analyst: Moore/Nixon
Analysis Date: 02-12-07 02-12-07
Method: 900.0

Respectfully Submitted,

Carl F. Crownover, Pres.

form: S2-59

# UEC's Baseline Wells

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07080504-001
**Client Sample ID:** RBLA-1

**Report Date:** 08/27/07
**Collection Date:** 08/07/07 07:38
**DateReceived:** 08/08/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 269 | mg/L | | 1 | | A2320 B | 08/09/07 17:52 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 08/09/07 17:52 / bas |
| Bicarbonate as HCO3 | 328 | mg/L | | 1 | | A2320 B | 08/09/07 17:52 / bas |
| Calcium | 96.9 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:05 / ts |
| Chloride | 44 | mg/L | | 1 | | A4500-Cl B | 08/13/07 14:00 / jl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 08/14/07 10:34 / bas |
| Magnesium | 10 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:05 / ts |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH3 G | 08/10/07 12:35 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 08/13/07 16:09 / ljl |
| Potassium | 3.3 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:05 / ts |
| Silica | 34.9 | mg/L | | 0.1 | | E200.7 | 08/20/07 18:05 / ts |
| Sodium | 36.1 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:05 / ts |
| Sulfate | 43 | mg/L | | 1 | | A4500-SO4 E | 08/10/07 10:41 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 686 | umhos/cm | | 1.0 | | A2510 B | 08/09/07 13:22 / ml |
| pH | 7.39 | s.u. | | 0.01 | | A4500-H B | 08/09/07 13:22 / ml |
| Solids, Total Dissolved TDS @ 180 C | 400 | mg/L | | 10 | | A2540 C | 08/09/07 15:53 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.003 | mg/L | | 0.001 | | E200.8 | 08/24/07 00:00 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 08/24/07 00:00 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 08/20/07 18:05 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 08/24/07 00:00 / bws |
| Manganese | 0.01 | mg/L | | 0.01 | | E200.8 | 08/24/07 00:00 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 08/24/07 00:00 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 08/24/07 00:00 / bws |
| Selenium | ND | mg/L | | 0.001 | | E200.8 | 08/24/07 00:00 / bws |
| Uranium | 0.0176 | mg/L | | 0.0003 | | E200.8 | 08/24/07 00:00 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 735 | pCi/L | | 0.2 | | E903.0 | 08/20/07 15:56 / crw |
| Radium 226 precision (±) | 8.5 | pCi/L | | | | E903.0 | 08/20/07 15:56 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -1.44 | % | | | | Calculation | 08/24/07 11:54 / bws |
| Anions | 7.53 | meq/L | | | | Calculation | 08/24/07 11:54 / bws |
| Cations | 7.31 | meq/L | | | | Calculation | 08/24/07 11:54 / bws |
| Solids, Total Dissolved Calculated | 430 | mg/L | | | | Calculation | 08/24/07 11:54 / bws |
| TDS Balance (0.80 - 1.20) | 0.930 | dec. % | | | | Calculation | 08/24/07 11:54 / bws |

**Report Definitions:** RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

9-28-07

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070492-001
**Client Sample ID:** RBLA-2

**Report Date:** 08/01/07
**Collection Date:** 07/10/07 12:42
**DateReceived:** 07/11/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 236 | mg/L | | 1 | | A2320 B | 07/16/07 13:55 / ljl |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/16/07 13:55 / ljl |
| Bicarbonate as HCO3 | 288 | mg/L | | 1 | | A2320 B | 07/16/07 13:55 / ljl |
| Calcium | 90.8 | mg/L | | 0.5 | | E200.7 | 07/27/07 21:52 / cp |
| Chloride | 116 | mg/L | | 1 | | A4500-Cl B | 07/13/07 15:40 / jl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 07/13/07 13:39 / bas |
| Magnesium | 6.0 | mg/L | | 0.5 | | E200.7 | 07/27/07 21:52 / cp |
| Nitrogen, Ammonia as N | 0.06 | mg/L | | 0.05 | | A4500-NH3 G | 07/17/07 14:28 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/12/07 14:05 / jal |
| Potassium | 11.0 | mg/L | | 0.5 | | E200.7 | 07/27/07 21:52 / cp |
| Silica | 54.1 | mg/L | | 0.1 | | E200.7 | 07/27/07 21:52 / cp |
| Sodium | 68.5 | mg/L | D | 0.8 | | E200.7 | 07/27/07 21:52 / cp |
| Sulfate | 38 | mg/L | | 1 | | A4500-SO4 E | 07/12/07 15:54 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 886 | umhos/cm | | 1.0 | | A2510 B | 07/12/07 13:35 / ml |
| pH | 7.43 | s.u. | | 0.01 | | A4500-H B | 07/12/07 13:35 / ml |
| Solids, Total Dissolved TDS @ 180 C | 550 | mg/L | | 10 | | A2540 C | 07/12/07 15:50 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.034 | mg/L | | 0.001 | | E200.8 | 07/23/07 22:52 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/23/07 22:52 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/27/07 21:52 / cp |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/23/07 22:52 / bws |
| Manganese | 0.01 | mg/L | | 0.01 | | E200.8 | 07/23/07 22:52 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/23/07 22:52 / bws |
| Molybdenum | 0.4 | mg/L | | 0.1 | | E200.8 | 07/23/07 22:52 / bws |
| Selenium | 0.004 | mg/L | | 0.001 | | E200.8 | 07/23/07 22:52 / bws |
| Uranium | 0.286 | mg/L | | 0.0003 | | E200.8 | 07/23/07 22:52 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 989 | pCi/L | | 0.2 | | E903.0 | 07/24/07 14:48 / trs |
| Radium 226 precision (±) | 10.3 | pCi/L | | | | E903.0 | 07/24/07 14:48 / trs |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -3.07 | % | | | | Calculation | 07/30/07 12:53 / bws |
| Anions | 8.81 | meq/L | | | | Calculation | 07/30/07 12:53 / bws |
| Cations | 8.29 | meq/L | | | | Calculation | 07/30/07 12:53 / bws |
| Solids, Total Dissolved Calculated | 527 | mg/L | | | | Calculation | 07/30/07 12:53 / bws |
| TDS Balance (0.80 - 1.20) | 1.04 | dec. % | | | | Calculation | 07/30/07 12:53 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: RBLA-3
2-21-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: March 20, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 110 | 5.49 | 285.48 | 64.51 |
| MAGNESIUM(MG) | 9.3 | 0.76 | 35.42 | 8.93 |
| SODIUM(NA) | 50 | 2.17 | 106.11 | 25.50 |
| POTASSIUM(K) | 3.7 | 0.09 | 6.48 | 1.06 |
| TOTAL CATION | | 8.51 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 249 | 4.08 | 177.89 | 48.98 |
| SULFATE(SO4) | 16 | 0.33 | 24.39 | 3.96 |
| CHLORIDE(CL) | 139 | 3.92 | 297.53 | 47.06 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.53 | TOTAL | 933.29 | |
| SILICA(SIO2) | 46 | | | |
| TOTAL ANION | | 8.33 | | |
| TOTAL ION | 624 | | | |

| | |
|---|---|
| TDS(180 C) | 540 |
| TOT ION-0.5 HCO3= | 499 |
| EC(25 C) | 851 UMHOS |
| EC(DIL)= 93.8 X 10.0 = | 938 UMHOS |
| ALK. AS CACO3 | 204 |
| PH | 7.42 |

ACCURACY CHECK

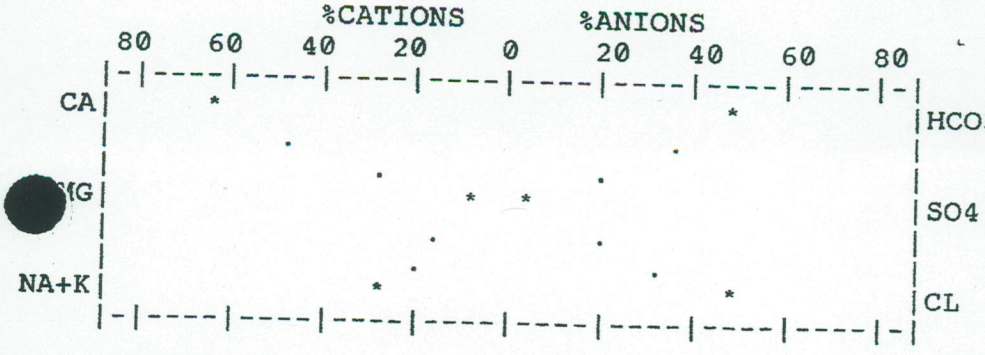
| | | RANGE |
|---|---|---|
| ION | 1.022 | (.96 TO 1.04) |
| TDS | 1.082 | (.90 TO 1.10) |
| EC | 1.005 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 3160 | +/- | 10 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.031 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | 0.3 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | 0.001 | URANIUM(U) | 0.127 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

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LAB.NO:M45-585

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07080504-002
**Client Sample ID:** RBLA-4

**Report Date:** 08/27/07
**Collection Date:** 08/07/07 08:35
**DateReceived:** 08/08/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 323 | mg/L | | 1 | | A2320 B | 08/09/07 21:24 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 08/09/07 21:24 / bas |
| Bicarbonate as HCO3 | 393 | mg/L | | 1 | | A2320 B | 08/09/07 21:24 / bas |
| Calcium | 140 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:08 / ts |
| Chloride | 218 | mg/L | | 1 | | A4500-Cl B | 08/13/07 14:02 / jl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 08/14/07 10:35 / bas |
| Magnesium | 10 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:08 / ts |
| Nitrogen, Ammonia as N | 0.08 | mg/L | | 0.05 | | A4500-NH3 G | 08/10/07 12:39 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 08/13/07 16:12 / ljl |
| Potassium | 5.1 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:08 / ts |
| Silica | 41.2 | mg/L | | 0.1 | | E200.7 | 08/20/07 18:08 / ts |
| Sodium | 115 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:08 / ts |
| Sulfate | 56 | mg/L | | 1 | | A4500-SO4 E | 08/10/07 10:42 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1350 | umhos/cm | | 1.0 | | A2510 B | 08/09/07 13:23 / ml |
| pH | 7.11 | s.u. | | 0.01 | | A4500-H B | 08/09/07 13:23 / ml |
| Solids, Total Dissolved TDS @ 180 C | 782 | mg/L | | 10 | | A2540 C | 08/09/07 15:51 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.045 | mg/L | | 0.001 | | E200.8 | 08/24/07 00:07 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 08/24/07 00:07 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 08/20/07 18:08 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 08/24/07 00:07 / bws |
| Manganese | 0.01 | mg/L | | 0.01 | | E200.8 | 08/24/07 00:07 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 08/24/07 00:07 / bws |
| Molybdenum | 0.4 | mg/L | | 0.1 | | E200.8 | 08/24/07 00:07 / bws |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 08/24/07 00:07 / bws |
| Uranium | 0.147 | mg/L | | 0.0003 | | E200.8 | 08/24/07 00:07 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 904 | pCi/L | | 0.2 | | E903.0 | 08/20/07 15:56 / crw |
| Radium 226 precision (±) | 9.3 | pCi/L | | | | E903.0 | 08/20/07 15:56 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -3.10 | % | | | | Calculation | 08/24/07 11:54 / bws |
| Anions | 13.8 | meq/L | | | | Calculation | 08/24/07 11:54 / bws |
| Cations | 13.0 | meq/L | | | | Calculation | 08/24/07 11:54 / bws |
| Solids, Total Dissolved Calculated | 780 | mg/L | | | | Calculation | 08/24/07 11:54 / bws |
| TDS Balance (0.80 - 1.20) | 1.00 | dec. % | | | | Calculation | 08/24/07 11:54 / bws |

**Report Definitions:** RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

9-28-07

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070492-002
**Client Sample ID:** RBLA-5

**Report Date:** 08/01/07
**Collection Date:** 07/10/07 14:23
**DateReceived:** 07/11/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 230 | mg/L | | 1 | | A2320 B | 07/16/07 14:02 / ljl |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/16/07 14:02 / ljl |
| Bicarbonate as HCO3 | 281 | mg/L | | 1 | | A2320 B | 07/16/07 14:02 / ljl |
| Calcium | 82.6 | mg/L | | 0.5 | | E200.7 | 07/27/07 21:55 / cp |
| Chloride | 62 | mg/L | | 1 | | A4500-Cl B | 07/13/07 15:46 / jl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 07/13/07 13:40 / bas |
| Magnesium | 4.8 | mg/L | | 0.5 | | E200.7 | 07/27/07 21:55 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH3 G | 07/17/07 14:30 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/12/07 14:15 / jal |
| Potassium | 10.5 | mg/L | | 0.5 | | E200.7 | 07/27/07 21:55 / cp |
| Silica | 36.3 | mg/L | | 0.1 | | E200.7 | 07/27/07 21:55 / cp |
| Sodium | 43.6 | mg/L | D | 0.8 | | E200.7 | 07/27/07 21:55 / cp |
| Sulfate | 29 | mg/L | | 1 | | A4500-SO4 E | 07/12/07 15:56 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 697 | umhos/cm | | 1.0 | | A2510 B | 07/12/07 13:37 / ml |
| pH | 7.48 | s.u. | | 0.01 | | A4500-H B | 07/12/07 13:37 / ml |
| Solids, Total Dissolved TDS @ 180 C | 422 | mg/L | | 10 | | A2540 C | 07/12/07 15:51 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.015 | mg/L | | 0.001 | | E200.8 | 07/23/07 22:59 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/23/07 22:59 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/27/07 21:55 / cp |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/23/07 22:59 / bws |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 07/23/07 22:59 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/23/07 22:59 / bws |
| Molybdenum | 0.2 | mg/L | | 0.1 | | E200.8 | 07/23/07 22:59 / bws |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 07/23/07 22:59 / bws |
| Uranium | 0.266 | mg/L | | 0.0003 | | E200.8 | 07/23/07 22:59 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 937 | pCi/L | | 0.2 | | E903.0 | 07/24/07 14:48 / trs |
| Radium 226 precision (±) | 10.0 | pCi/L | | | | E903.0 | 07/24/07 14:48 / trs |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -2.06 | % | | | | Calculation | 07/30/07 12:53 / bws |
| Anions | 6.97 | meq/L | | | | Calculation | 07/30/07 12:53 / bws |
| Cations | 6.69 | meq/L | | | | Calculation | 07/30/07 12:53 / bws |
| Solids, Total Dissolved Calculated | 407 | mg/L | | | | Calculation | 07/30/07 12:53 / bws |
| TDS Balance (0.80 - 1.20) | 1.04 | dec. % | | | | Calculation | 07/30/07 12:53 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070627-002
**Client Sample ID:** RBLB-1

**Report Date:** 08/01/07
**Collection Date:** 07/12/07 11:45
**DateReceived:** 07/13/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 272 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Bicarbonate as HCO3 | 332 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Calcium | 100 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:43 / ts |
| Chloride | 161 | mg/L | | 1 | | A4500-Cl B | 07/18/07 11:26 / jl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 07/23/07 12:30 / bas |
| Magnesium | 19.0 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:43 / ts |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH3 G | 07/17/07 15:32 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/16/07 15:42 / jal |
| Potassium | 6.6 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:43 / ts |
| Silica | 32.2 | mg/L | | 0.1 | | E200.7 | 07/26/07 15:43 / ts |
| Sodium | 98.3 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:43 / ts |
| Sulfate | 82 | mg/L | D | 2 | | A4500-SO4 E | 07/17/07 11:12 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1160 | umhos/cm | | 1.0 | | A2510 B | 07/16/07 14:55 / ml |
| pH | 7.43 | s.u. | | 0.01 | | A4500-H B | 07/16/07 14:55 / ml |
| Solids, Total Dissolved TDS @ 180 C | 644 | mg/L | | 10 | | A2540 C | 07/16/07 15:16 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 07/28/07 01:22 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/28/07 01:22 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/26/07 15:43 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/28/07 01:22 / bws |
| Manganese | 0.02 | mg/L | | 0.01 | | E200.8 | 07/28/07 01:22 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/28/07 01:22 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 07/28/07 01:22 / bws |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 07/28/07 01:22 / bws |
| Uranium | 0.0615 | mg/L | | 0.0003 | | E200.8 | 07/28/07 01:22 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 393 | pCi/L | | 0.2 | | E903.0 | 07/24/07 16:15 / trs |
| Radium 226 precision (±) | 5.7 | pCi/L | | | | E903.0 | 07/24/07 16:15 / trs |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -3.18 | % | | | | Calculation | 07/28/07 12:58 / bws |
| Anions | 11.7 | meq/L | | | | Calculation | 07/28/07 12:58 / bws |
| Cations | 11.0 | meq/L | | | | Calculation | 07/28/07 12:58 / bws |
| Solids, Total Dissolved Calculated | 663 | mg/L | | | | Calculation | 07/28/07 12:58 / bws |
| TDS Balance (0.80 - 1.20) | 0.970 | dec. % | | | | Calculation | 07/28/07 12:58 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: March 20, 2007
IDENTIFICATION: RBLB-2
2-21-07
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 78 | 3.89 | 202.28 | 42.01 |
| MAGNESIUM(MG) | 10 | 0.82 | 38.21 | 8.86 |
| SODIUM(NA) | 94 | 4.09 | 200.00 | 44.17 |
| POTASSIUM(K) | 18 | 0.46 | 33.12 | 4.97 |
| TOTAL CATION | | 9.26 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 255 | 4.18 | 182.25 | 46.24 |
| SULFATE(SO4) | 29 | 0.60 | 44.34 | 6.64 |
| CHLORIDE(CL) | 151 | 4.26 | 323.33 | 47.12 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.55 | TOTAL | 1023.54 | |
| SILICA(SIO2) | 32 | | | |
| TOTAL ANION | | 9.04 | | |
| TOTAL ION | 668 | | | |

| | |
|---|---|
| TDS(180 C) | 560 |
| TOT ION-0.5 HCO3= | 540 |
| EC(25 C) | 939 UMHOS |
| EC(DIL)= 93.6 X 11.11= | 1040 UMHOS |
| ALK. AS CACO3 | 209 |
| PH | 7.60 |

ACCURACY CHECK

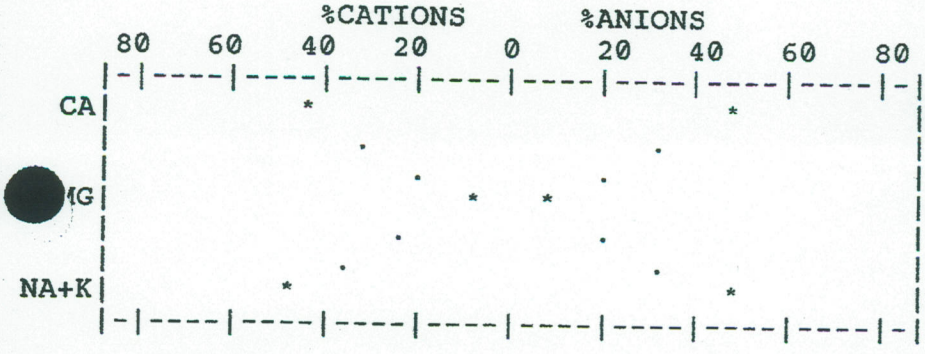
| | | RANGE |
|---|---|---|
| ION | 1.024 | (.96 T0 1.04) |
| TDS | 1.037 | (.90 TO 1.10) |
| EC | 1.016 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | |
|---|---|---|
| GROSS ALPHA | | +/- |
| GROSS BETA | | +/- |
| RADIUM 226 | 12 | +/- 1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.007 | MANGANESE(MN) | <0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | 0.0003 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | 0.001 | URANIUM(U) | 0.059 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-584

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070627-001
**Client Sample ID:** RBLB-3

**Report Date:** 08/01/07
**Collection Date:** 07/12/07 10:30
**DateReceived:** 07/13/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 253 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Carbonate as CO3 | 3 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Bicarbonate as HCO3 | 302 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Calcium | 91.2 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:39 / ts |
| Chloride | 163 | mg/L | | 1 | | A4500-Cl B | 07/18/07 11:25 / jl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 07/23/07 12:27 / bas |
| Magnesium | 15.8 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:39 / ts |
| Nitrogen, Ammonia as N | 0.05 | mg/L | | 0.05 | | A4500-NH3 G | 07/17/07 15:30 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/16/07 15:39 / jal |
| Potassium | 8.9 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:39 / ts |
| Silica | 31.6 | mg/L | | 0.1 | | E200.7 | 07/26/07 15:39 / ts |
| Sodium | 95.3 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:39 / ts |
| Sulfate | 41 | mg/L | | 1 | | A4500-SO4 E | 07/17/07 11:09 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1070 | umhos/cm | | 1.0 | | A2510 B | 07/16/07 14:53 / ml |
| pH | 7.79 | s.u. | | 0.01 | | A4500-H B | 07/16/07 14:53 / ml |
| Solids, Total Dissolved TDS @ 180 C | 614 | mg/L | | 10 | | A2540 C | 07/16/07 15:16 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.030 | mg/L | | 0.001 | | E200.8 | 07/28/07 01:16 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/28/07 01:16 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/26/07 15:39 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/28/07 01:16 / bws |
| Manganese | 0.02 | mg/L | | 0.01 | | E200.8 | 07/28/07 01:16 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/28/07 01:16 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 07/28/07 01:16 / bws |
| Selenium | 0.002 | mg/L | | 0.001 | | E200.8 | 07/28/07 01:16 / bws |
| Uranium | 0.0797 | mg/L | | 0.0003 | | E200.8 | 07/28/07 01:16 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 111 | pCi/L | | 0.2 | | E903.0 | 07/24/07 16:15 / trs |
| Radium 226 precision (±) | 3.9 | pCi/L | | | | E903.0 | 07/24/07 16:15 / trs |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -1.40 | % | | | | Calculation | 07/28/07 12:57 / bws |
| Anions | 10.5 | meq/L | | | | Calculation | 07/28/07 12:57 / bws |
| Cations | 10.2 | meq/L | | | | Calculation | 07/28/07 12:57 / bws |
| Solids, Total Dissolved Calculated | 599 | mg/L | | | | Calculation | 07/28/07 12:57 / bws |
| TDS Balance (0.80 - 1.20) | 1.03 | dec. % | | | | Calculation | 07/28/07 12:57 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070563-004
**Client Sample ID:** RBLB-4 DP

**Report Date:** 08/01/07
**Collection Date:** 07/11/07 15:03
**DateReceived:** 07/12/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 266 | mg/L | | 1 | | A2320 B | 07/17/07 09:37 / ljl |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/17/07 09:37 / ljl |
| Bicarbonate as HCO3 | 325 | mg/L | | 1 | | A2320 B | 07/17/07 09:37 / ljl |
| Calcium | 101 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:07 / ts |
| Chloride | 150 | mg/L | | 1 | | A4500-Cl B | 07/13/07 18:07 / jl |
| Fluoride | 0.7 | mg/L | | 0.1 | | A4500-F C | 07/13/07 14:24 / bas |
| Magnesium | 20.2 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:07 / ts |
| Nitrogen, Ammonia as N | 0.08 | mg/L | | 0.05 | | A4500-NH3 G | 07/18/07 10:41 / jal |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/13/07 13:19 / ljl |
| Potassium | 7.1 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:07 / ts |
| Silica | 32.0 | mg/L | | 0.1 | | E200.7 | 07/18/07 17:07 / ts |
| Sodium | 99.7 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:07 / ts |
| Sulfate | 69 | mg/L | D | 2 | | A4500-SO4 E | 07/13/07 12:57 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1140 | umhos/cm | | 1.0 | | A2510 B | 07/13/07 14:56 / ml |
| pH | 7.54 | s.u. | | 0.01 | | A4500-H B | 07/13/07 14:56 / ml |
| Solids, Total Dissolved TDS @ 180 C | 666 | mg/L | | 10 | | A2540 C | 07/13/07 16:19 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 07/17/07 05:17 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 05:17 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/18/07 17:07 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/17/07 05:17 / bws |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 05:17 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/17/07 05:17 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 07/17/07 05:17 / bws |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 07/17/07 05:17 / bws |
| Uranium | 0.0060 | mg/L | | 0.0003 | | E200.8 | 07/17/07 05:17 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 37.2 | pCi/L | | 0.2 | | E903.0 | 07/23/07 14:02 / crw |
| Radium 226 precision (±) | 2.1 | pCi/L | | | | E903.0 | 07/23/07 14:02 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | 1.01 | % | | | | Calculation | 07/19/07 17:09 / bws |
| Anions | 11.0 | meq/L | | | | Calculation | 07/19/07 17:09 / bws |
| Cations | 11.2 | meq/L | | | | Calculation | 07/19/07 17:09 / bws |
| Solids, Total Dissolved Calculated | 639 | mg/L | | | | Calculation | 07/19/07 17:09 / bws |
| TDS Balance (0.80 - 1.20) | 1.04 | dec. % | | | | Calculation | 07/19/07 17:09 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070627-003
**Client Sample ID:** RBLB-5

**Report Date:** 08/01/07
**Collection Date:** 07/12/07 12:50
**DateReceived:** 07/13/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 279 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Bicarbonate as HCO3 | 340 | mg/L | | 1 | | A2320 B | 07/23/07 08:37 / bas |
| Calcium | 88.2 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:46 / ts |
| Chloride | 163 | mg/L | | 1 | | A4500-Cl B | 07/18/07 11:27 / jl |
| Fluoride | 0.8 | mg/L | | 0.1 | | A4500-F C | 07/23/07 12:32 / bas |
| Magnesium | 16.5 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:46 / ts |
| Nitrogen, Ammonia as N | 0.06 | mg/L | | 0.05 | | A4500-NH3 G | 07/17/07 15:34 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/16/07 15:52 / jal |
| Potassium | 4.4 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:46 / ts |
| Silica | 31.6 | mg/L | | 0.1 | | E200.7 | 07/26/07 15:46 / ts |
| Sodium | 93.8 | mg/L | | 0.5 | | E200.7 | 07/26/07 15:46 / ts |
| Sulfate | 9 | mg/L | | 1 | | A4500-SO4 E | 07/17/07 11:16 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1050 | umhos/cm | | 1.0 | | A2510 B | 07/16/07 14:58 / ml |
| pH | 7.63 | s.u. | | 0.01 | | A4500-H B | 07/16/07 14:58 / ml |
| Solids, Total Dissolved TDS @ 180 C | 584 | mg/L | | 10 | | A2540 C | 07/16/07 15:16 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.009 | mg/L | | 0.001 | | E200.8 | 07/28/07 03:11 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/28/07 03:11 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/26/07 15:46 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/28/07 03:11 / bws |
| Manganese | 0.02 | mg/L | | 0.01 | | E200.8 | 07/28/07 03:11 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/28/07 03:11 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 07/28/07 03:11 / bws |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 07/28/07 03:11 / bws |
| Uranium | 0.0600 | mg/L | | 0.0003 | | E200.8 | 07/28/07 03:11 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 1090 | pCi/L | | 0.2 | | E903.0 | 07/24/07 16:15 / trs |
| Radium 226 precision (±) | 9.6 | pCi/L | | | | E903.0 | 07/24/07 16:15 / trs |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -2.12 | % | | | | Calculation | 07/28/07 12:58 / bws |
| Anions | 10.4 | meq/L | | | | Calculation | 07/28/07 12:58 / bws |
| Cations | 9.97 | meq/L | | | | Calculation | 07/28/07 12:58 / bws |
| Solids, Total Dissolved Calculated | 575 | mg/L | | | | Calculation | 07/28/07 12:58 / bws |
| TDS Balance (0.80 - 1.20) | 1.02 | dec. % | | | | Calculation | 07/28/07 12:58 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070563-001
**Client Sample ID:** RBLC-1

**Report Date:** 08/01/07
**Collection Date:** 07/11/07 09:33
**DateReceived:** 07/12/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 242 | mg/L | | 1 | | A2320 B | 07/17/07 09:23 / ljl |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/17/07 09:23 / ljl |
| Bicarbonate as HCO3 | 295 | mg/L | | 1 | | A2320 B | 07/17/07 09:23 / ljl |
| Calcium | 74.7 | mg/L | | 0.5 | | E200.7 | 07/18/07 16:57 / ts |
| Chloride | 130 | mg/L | | 1 | | A4500-Cl B | 07/13/07 16:55 / jl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 07/13/07 14:21 / bas |
| Magnesium | 14.6 | mg/L | | 0.5 | | E200.7 | 07/18/07 16:57 / ts |
| Nitrogen, Ammonia as N | 0.11 | mg/L | | 0.05 | | A4500-NH3 G | 07/18/07 10:29 / jal |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/13/07 13:08 / ljl |
| Potassium | 14.6 | mg/L | | 0.5 | | E200.7 | 07/18/07 16:57 / ts |
| Silica | 23.8 | mg/L | | 0.1 | | E200.7 | 07/18/07 16:57 / ts |
| Sodium | 92.0 | mg/L | | 0.5 | | E200.7 | 07/18/07 16:57 / ts |
| Sulfate | 57 | mg/L | | 1 | | A4500-SO4 E | 07/13/07 11:10 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 986 | umhos/cm | | 1.0 | | A2510 B | 07/13/07 14:48 / ml |
| pH | 7.59 | s.u. | | 0.01 | | A4500-H B | 07/13/07 14:48 / ml |
| Solids, Total Dissolved TDS @ 180 C | 558 | mg/L | | 10 | | A2540 C | 07/13/07 16:17 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.009 | mg/L | | 0.001 | | E200.8 | 07/17/07 04:30 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 04:30 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 07/18/07 16:57 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/17/07 04:30 / bws |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 04:30 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/17/07 04:30 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 07/17/07 04:30 / bws |
| Selenium | 0.005 | mg/L | | 0.001 | | E200.8 | 07/17/07 04:30 / bws |
| Uranium | 0.0081 | mg/L | | 0.0003 | | E200.8 | 07/17/07 04:30 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 10.0 | pCi/L | | 0.2 | | E903.0 | 07/23/07 14:02 / crw |
| Radium 226 precision (±) | 1.1 | pCi/L | | | | E903.0 | 07/23/07 14:02 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -2.05 | % | | | | Calculation | 07/19/07 16:41 / bws |
| Anions | 9.70 | meq/L | | | | Calculation | 07/19/07 16:41 / bws |
| Cations | 9.31 | meq/L | | | | Calculation | 07/19/07 16:41 / bws |
| Solids, Total Dissolved Calculated | 552 | mg/L | | | | Calculation | 07/19/07 16:41 / bws |
| TDS Balance (0.80 - 1.20) | 1.01 | dec. % | | | | Calculation | 07/19/07 16:41 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070563-002
**Client Sample ID:** RBLC-2

**Report Date:** 08/01/07
**Collection Date:** 07/11/07 12:03
**DateReceived:** 07/12/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 204 | mg/L | | 1 | | A2320 B | 07/17/07 09:26 / ljl |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/17/07 09:26 / ljl |
| Bicarbonate as HCO3 | 249 | mg/L | | 1 | | A2320 B | 07/17/07 09:26 / ljl |
| Calcium | 71.0 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:01 / ts |
| Chloride | 125 | mg/L | | 1 | | A4500-Cl B | 07/13/07 17:41 / jl |
| Fluoride | 0.6 | mg/L | | 0.1 | | A4500-F C | 07/13/07 14:22 / bas |
| Magnesium | 9.8 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:01 / ts |
| Nitrogen, Ammonia as N | 0.09 | mg/L | | 0.05 | | A4500-NH3 G | 07/18/07 10:31 / jal |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/13/07 13:10 / ljl |
| Potassium | 11.9 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:01 / ts |
| Silica | 21.5 | mg/L | | 0.1 | | E200.7 | 07/18/07 17:01 / ts |
| Sodium | 96.6 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:01 / ts |
| Sulfate | 32 | mg/L | | 1 | | A4500-SO4 E | 07/13/07 11:22 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 890 | umhos/cm | | 1.0 | | A2510 B | 07/13/07 14:49 / ml |
| pH | 7.94 | s.u. | | 0.01 | | A4500-H B | 07/13/07 14:49 / ml |
| Solids, Total Dissolved TDS @ 180 C | 534 | mg/L | | 10 | | A2540 C | 07/13/07 16:18 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.024 | mg/L | | 0.001 | | E200.8 | 07/17/07 05:03 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 05:03 / bws |
| Iron | 0.03 | mg/L | | 0.03 | | E200.7 | 07/18/07 17:01 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/17/07 05:03 / bws |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 05:03 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/17/07 05:03 / bws |
| Molybdenum | 1.9 | mg/L | | 0.1 | | E200.8 | 07/17/07 05:03 / bws |
| Selenium | 0.024 | mg/L | | 0.001 | | E200.8 | 07/17/07 05:03 / bws |
| Uranium | 6.68 | mg/L | | 0.0003 | | E200.8 | 07/17/07 05:03 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 692 | pCi/L | | 0.2 | | E903.0 | 07/23/07 14:02 / crw |
| Radium 226 precision (±) | 9.0 | pCi/L | | | | E903.0 | 07/23/07 14:02 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | 3.32 | % | | | | Calculation | 07/19/07 16:42 / bws |
| Anions | 8.30 | meq/L | | | | Calculation | 07/19/07 16:42 / bws |
| Cations | 8.87 | meq/L | | | | Calculation | 07/19/07 16:42 / bws |
| Solids, Total Dissolved Calculated | 491 | mg/L | | | | Calculation | 07/19/07 16:42 / bws |
| TDS Balance (0.80 - 1.20) | 1.09 | dec. % | | | | Calculation | 07/19/07 16:42 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07080504-004
**Client Sample ID** RBLC-3

**Report Date:** 08/27/07
**Collection Date:** 08/07/07 10:33
**DateReceived:** 08/08/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 278 | mg/L | | 1 | | A2320 B | 08/10/07 11:45 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 08/10/07 11:45 / bas |
| Bicarbonate as HCO3 | 340 | mg/L | | 1 | | A2320 B | 08/10/07 11:45 / bas |
| Calcium | 79.8 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:24 / ts |
| Chloride | 150 | mg/L | | 1 | | A4500-Cl B | 08/13/07 14:04 / jl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 08/14/07 10:41 / bas |
| Magnesium | 17.1 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:24 / ts |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH3 G | 08/10/07 12:51 / ijl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 08/13/07 16:24 / ijl |
| Potassium | 4.2 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:24 / ts |
| Silica | 25.6 | mg/L | | 0.1 | | E200.7 | 08/20/07 18:24 / ts |
| Sodium | 97.1 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:24 / ts |
| Sulfate | 11 | mg/L | | 1 | | A4500-SO4 E | 08/10/07 10:44 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 982 | umhos/cm | | 1.0 | | A2510 B | 08/09/07 13:26 / ml |
| pH | 7.45 | s.u. | | 0.01 | | A4500-H B | 08/09/07 13:26 / ml |
| Solids, Total Dissolved TDS @ 180 C | 510 | mg/L | | 10 | | A2540 C | 08/09/07 15:53 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.006 | mg/L | | 0.001 | | E200.8 | 08/24/07 00:47 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 08/24/07 00:47 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 08/20/07 18:24 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.7 | 08/20/07 18:24 / ts |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 08/24/07 00:47 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 08/24/07 00:47 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 08/24/07 00:47 / bws |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 08/24/07 00:47 / bws |
| Uranium | 0.0309 | mg/L | | 0.0003 | | E200.8 | 08/24/07 00:47 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 71.2 | pCi/L | | 0.2 | | E903.0 | 08/20/07 15:56 / crw |
| Radium 226 precision (±) | 2.6 | pCi/L | | | | E903.0 | 08/20/07 15:56 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -1.64 | % | | | | Calculation | 08/24/07 11:55 / bws |
| Anions | 10.1 | meq/L | | | | Calculation | 08/24/07 11:55 / bws |
| Cations | 9.73 | meq/L | | | | Calculation | 08/24/07 11:55 / bws |
| Solids, Total Dissolved Calculated | 552 | mg/L | | | | Calculation | 08/24/07 11:55 / bws |
| TDS Balance (0.80 - 1.20) | 0.920 | dec. % | | | | Calculation | 08/24/07 11:55 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

9-28-07

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07070563-003
**Client Sample ID:** RBLC-4

**Report Date:** 08/01/07
**Collection Date:** 07/11/07 13:22
**DateReceived:** 07/12/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 282 | mg/L | | 1 | | A2320 B | 07/17/07 09:35 / ljl |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 07/17/07 09:35 / ljl |
| Bicarbonate as HCO3 | 344 | mg/L | | 1 | | A2320 B | 07/17/07 09:35 / ljl |
| Calcium | 80.8 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:04 / ts |
| Chloride | 130 | mg/L | | 1 | | A4500-Cl B | 07/13/07 17:33 / jl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 07/13/07 14:23 / bas |
| Magnesium | 17.0 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:04 / ts |
| Nitrogen, Ammonia as N | 0.09 | mg/L | | 0.05 | | A4500-NH3 G | 07/18/07 10:39 / jal |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 07/13/07 13:17 / ljl |
| Potassium | 7.1 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:04 / ts |
| Silica | 24.8 | mg/L | | 0.1 | | E200.7 | 07/18/07 17:04 / ts |
| Sodium | 99.7 | mg/L | | 0.5 | | E200.7 | 07/18/07 17:04 / ts |
| Sulfate | 11 | mg/L | | 1 | | A4500-SO4 E | 07/13/07 12:44 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1010 | umhos/cm | | 1.0 | | A2510 B | 07/13/07 14:52 / ml |
| pH | 7.71 | s.u. | | 0.01 | | A4500-H B | 07/13/07 14:52 / ml |
| Solids, Total Dissolved TDS @ 180 C | 566 | mg/L | | 10 | | A2540 C | 07/13/07 16:19 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.004 | mg/L | | 0.001 | | E200.8 | 07/17/07 05:10 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 05:10 / bws |
| Iron | 0.05 | mg/L | | 0.03 | | E200.7 | 07/18/07 17:04 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 07/17/07 05:10 / bws |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 07/17/07 05:10 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 07/17/07 05:10 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 07/17/07 05:10 / bws |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 07/17/07 05:10 / bws |
| Uranium | 0.0546 | mg/L | | 0.0003 | | E200.8 | 07/17/07 05:10 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 136 | pCi/L | | 0.2 | | E903.0 | 07/23/07 14:02 / crw |
| Radium 226 precision (±) | 3.9 | pCi/L | | | | E903.0 | 07/23/07 14:02 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | 2.15 | % | | | | Calculation | 07/19/07 16:42 / bws |
| Anions | 9.54 | meq/L | | | | Calculation | 07/19/07 16:42 / bws |
| Cations | 9.96 | meq/L | | | | Calculation | 07/19/07 16:42 / bws |
| Solids, Total Dissolved Calculated | 540 | mg/L | | | | Calculation | 07/19/07 16:42 / bws |
| TDS Balance (0.80 - 1.20) | 1.05 | dec. % | | | | Calculation | 07/19/07 16:42 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: March 20, 2007
IDENTIFICATION: RBLC-7
2-22-07
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 95 | 4.74 | 246.48 | 45.40 |
| MAGNESIUM(MG) | 17 | 1.40 | 65.24 | 13.41 |
| SODIUM(NA) | 96 | 4.18 | 204.40 | 40.04 |
| POTASSIUM(K) | 4.8 | 0.12 | 8.64 | 1.15 |
| | TOTAL CATION | 10.44 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 328 | 5.38 | 234.57 | 52.28 |
| SULFATE(SO4) | 38 | 0.79 | 58.38 | 7.68 |
| CHLORIDE(CL) | 146 | 4.12 | 312.71 | 40.04 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.55 | | TOTAL 1130.42 | |
| SILICA(SIO2) | 30 | | | |
| | TOTAL ANION | 10.29 | | |
| TOTAL ION | 755 | | | |

| | |
|---|---|
| TDS(180 C) | 540 |
| TOT ION-0.5 HCO3= | 591 |
| EC(25 C) | 1010 UMHOS |
| EC(DIL)=100.8 X 11.11= | 1120 UMHOS |
| ALK. AS CACO3 | 269 |
| PH | 7.48 |

ACCURACY CHECK

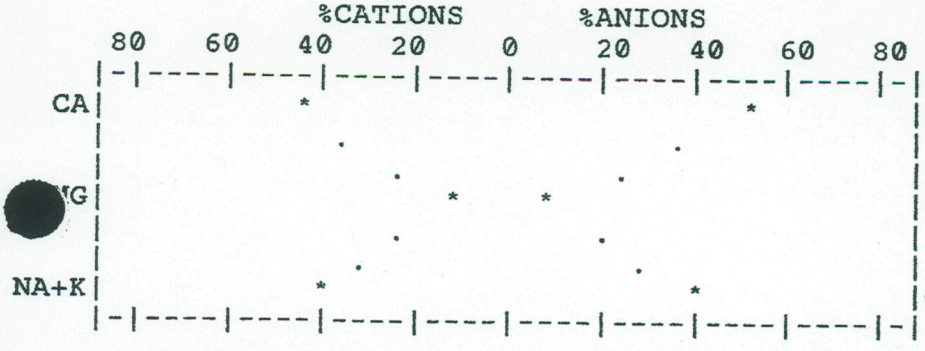
| | | RANGE |
|---|---|---|
| ION | 1.015 | (.96 TO 1.04) |
| TDS | 0.913 | (.90 TO 1.10) |
| EC | 0.991 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | |
|---|---|---|
| GROSS ALPHA | | +/- |
| GROSS BETA | | +/- |
| RADIUM 226 | 18 | +/- 1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.001 | MANGANESE(MN) | 0.02 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | 0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | 0.006 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | 0.001 | URANIUM(U) | 0.020 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

CJC

LAB.NO:M45-602

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: March 20, 2007
IDENTIFICATION: RBLD-1
2-21-07
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 88 | 4.39 | 228.28 | 41.10 |
| MAGNESIUM(MG) | 19 | 1.56 | 72.70 | 14.61 |
| SODIUM(NA) | 106 | 4.61 | 225.43 | 43.16 |
| POTASSIUM(K) | 4.5 | 0.12 | 8.64 | 1.12 |
| TOTAL CATION | | 10.68 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 334 | 5.47 | 238.49 | 53.06 |
| SULFATE(SO4) | 10 | 0.21 | 15.52 | 2.04 |
| CHLORIDE(CL) | 164 | 4.63 | 351.42 | 44.91 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.49 | TOTAL | 1140.47 | |
| SILICA(SIO2) | 29 | | | |
| TOTAL ANION | | 10.31 | | |
| TOTAL ION | 755 | | | |

| | |
|---|---|
| TDS(180 C) | 598 |
| TOT ION-0.5 HCO3= | 588 |
| EC(25 C) | 996 UMHOS |
| EC(DIL)= 98.1 X 11.11= | 1090 UMHOS |
| ALK. AS CACO3 | 274 |
| PH | 7.48 |

ACCURACY CHECK

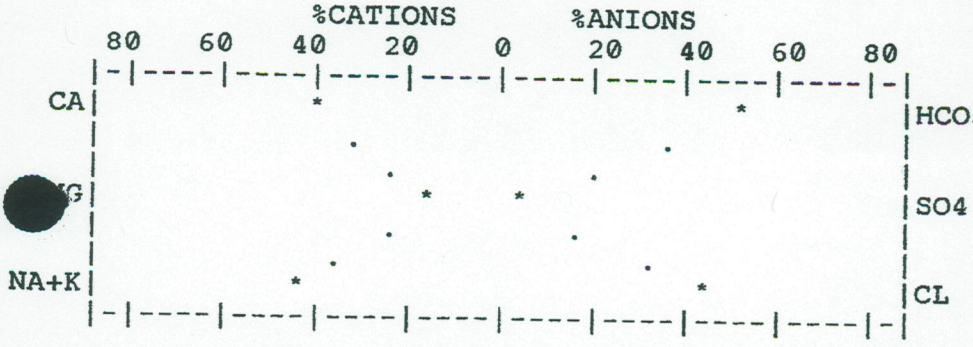
| | | RANGE |
|---|---|---|
| ION | 1.036 | (.96 T0 1.04) |
| TDS | 1.017 | (.90 TO 1.10) |
| EC | 0.956 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | |
|---|---|---|
| GROSS ALPHA | | +/- |
| GROSS BETA | | +/- |
| RADIUM 226 | 50 | +/- 1 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.003 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.02 | SILVER(AG) | | | |
| LEAD(PB) | <0.001 | URANIUM(U) | 0.037 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-583

# LABORATORY ANALYTICAL REPORT

**Client:** Uranium Energy Corp
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07080504-003
**Client Sample ID:** RBLD-2

**Report Date:** 08/27/07
**Collection Date:** 08/07/07 09:30
**DateReceived:** 08/08/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifiers | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 279 | mg/L | | 1 | | A2320 B | 08/09/07 23:00 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 08/09/07 23:00 / bas |
| Bicarbonate as HCO3 | 341 | mg/L | | 1 | | A2320 B | 08/09/07 23:00 / bas |
| Calcium | 73.8 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:11 / ts |
| Chloride | 164 | mg/L | | 1 | | A4500-Cl B | 08/13/07 14:03 / jl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 08/14/07 10:36 / bas |
| Magnesium | 16.9 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:11 / ts |
| Nitrogen, Ammonia as N | 0.08 | mg/L | | 0.05 | | A4500-NH3 G | 08/10/07 12:41 / ljl |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 08/13/07 16:14 / ljl |
| Potassium | 4.1 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:11 / ts |
| Silica | 27.9 | mg/L | | 0.1 | | E200.7 | 08/20/07 18:11 / ts |
| Sodium | 110 | mg/L | | 0.5 | | E200.7 | 08/20/07 18:11 / ts |
| Sulfate | 12 | mg/L | | 1 | | A4500-SO4 E | 08/10/07 10:44 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1020 | umhos/cm | | 1.0 | | A2510 B | 08/09/07 13:25 / ml |
| pH | 7.59 | s.u. | | 0.01 | | A4500-H B | 08/09/07 13:25 / ml |
| Solids, Total Dissolved TDS @ 180 C | 534 | mg/L | | 10 | | A2540 C | 08/09/07 15:53 / ml |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | 0.001 | mg/L | | 0.001 | | E200.8 | 08/24/07 00:14 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 08/24/07 00:14 / bws |
| Iron | ND | mg/L | | 0.03 | | E200.7 | 08/20/07 18:11 / ts |
| Lead | ND | mg/L | | 0.05 | | E200.7 | 08/20/07 18:11 / ts |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 08/24/07 00:14 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 08/24/07 00:14 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 08/24/07 00:14 / bws |
| Selenium | 0.003 | mg/L | D | 0.002 | | E200.8 | 08/24/07 00:14 / bws |
| Uranium | 0.0168 | mg/L | | 0.0003 | | E200.8 | 08/24/07 00:14 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 207 | pCi/L | | 0.2 | | E903.0 | 08/20/07 15:56 / crw |
| Radium 226 precision (±) | 4.4 | pCi/L | | | | E903.0 | 08/20/07 15:56 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -2.37 | % | | | | Calculation | 08/24/07 11:54 / bws |
| Anions | 10.5 | meq/L | | | | Calculation | 08/24/07 11:54 / bws |
| Cations | 9.98 | meq/L | | | | Calculation | 08/24/07 11:54 / bws |
| Solids, Total Dissolved Calculated | 577 | mg/L | | | | Calculation | 08/24/07 11:54 / bws |
| TDS Balance (0.80 - 1.20) | 0.930 | dec. % | | | | Calculation | 08/24/07 11:54 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

9-28-07

ENERGY LABORATORIES, INC. * 2393 Salt Creek Hwy (82601) * PO Box 3258 * Casper, WY 82602
Toll Free 888.235.0515 * 307.235.0515 * FAX 307.234.1639 * casper@energylab.com * www.energylab.com

# LABORATORY ANALYTICAL REPORT

**Client:** Freport McMoRan Copper and Gold Inc
**Project:** Weesatche Baseline Sampling
**Lab ID:** C07081043-001
**Client Sample ID** RBLD-3A

**Report Date:** 09/05/07
**Collection Date:** 08/16/07 11:30
**DateReceived:** 08/17/07
**Matrix:** Aqueous

| Analyses | Result | Units | Qualifier | RL | MCL/ QCL | Method | Analysis Date / By |
|---|---|---|---|---|---|---|---|
| **MAJOR IONS** | | | | | | | |
| Alkalinity, Total as CaCO3 | 271 | mg/L | | 1 | | A2320 B | 08/22/07 14:35 / bas |
| Carbonate as CO3 | ND | mg/L | | 1 | | A2320 B | 08/22/07 14:35 / bas |
| Bicarbonate as HCO3 | 330 | mg/L | | 1 | | A2320 B | 08/22/07 14:35 / bas |
| Calcium | 67.9 | mg/L | | 0.5 | | E200.7 | 08/30/07 18:03 / cp |
| Chloride | 158 | mg/L | | 1 | | A4500-Cl B | 08/21/07 09:43 / jl |
| Fluoride | 0.5 | mg/L | | 0.1 | | A4500-F C | 08/21/07 15:22 / bas |
| Magnesium | 14.3 | mg/L | | 0.5 | | E200.7 | 08/30/07 18:03 / cp |
| Nitrogen, Ammonia as N | ND | mg/L | | 0.05 | | A4500-NH3 G | 08/27/07 10:57 / jal |
| Nitrogen, Nitrate+Nitrite as N | ND | mg/L | | 0.1 | | E353.2 | 08/20/07 15:18 / ljl |
| Potassium | 6.0 | mg/L | | 0.5 | | E200.7 | 08/30/07 18:03 / cp |
| Silica | 29.1 | mg/L | | 0.1 | | E200.7 | 08/30/07 18:03 / cp |
| Sodium | 105 | mg/L | D | 0.8 | | E200.7 | 08/30/07 18:03 / cp |
| Sulfate | 6 | mg/L | | 1 | | A4500-SO4 E | 08/20/07 12:08 / zd |
| **PHYSICAL PROPERTIES** | | | | | | | |
| Conductivity | 1040 | umhos/cm | | 1.0 | | A2510 B | 08/20/07 10:24 / bas |
| pH | 7.54 | s.u. | | 0.01 | | A4500-H B | 08/20/07 10:24 / bas |
| Solids, Total Dissolved TDS @ 180 C | 568 | mg/L | | 10 | | A2540 C | 08/20/07 14:22 / bas |
| **METALS - DISSOLVED** | | | | | | | |
| Arsenic | ND | mg/L | | 0.001 | | E200.8 | 09/01/07 20:10 / bws |
| Cadmium | ND | mg/L | | 0.01 | | E200.8 | 09/01/07 20:10 / bws |
| Iron | 0.11 | mg/L | | 0.03 | | E200.7 | 08/30/07 18:03 / cp |
| Lead | ND | mg/L | | 0.05 | | E200.8 | 09/01/07 20:10 / bws |
| Manganese | ND | mg/L | | 0.01 | | E200.8 | 09/01/07 20:10 / bws |
| Mercury | ND | mg/L | | 0.001 | | E200.8 | 09/01/07 20:10 / bws |
| Molybdenum | ND | mg/L | | 0.1 | | E200.8 | 09/01/07 20:10 / bws |
| Selenium | 0.001 | mg/L | | 0.001 | | E200.8 | 09/01/07 20:10 / bws |
| Uranium | 0.0058 | mg/L | | 0.0003 | | E200.8 | 09/01/07 20:10 / bws |
| **RADIONUCLIDES - DISSOLVED** | | | | | | | |
| Radium 226 | 539 | pCi/L | | 0.2 | | E903.0 | 08/27/07 06:41 / crw |
| Radium 226 precision (±) | 19.3 | pCi/L | | | | E903.0 | 08/27/07 06:41 / crw |
| **DATA QUALITY** | | | | | | | |
| A/C Balance (± 5) | -3.83 | % | | | | Calculation | 09/04/07 11:55 / bws |
| Anions | 10.0 | meq/L | | | | Calculation | 09/04/07 11:55 / bws |
| Cations | 9.28 | meq/L | | | | Calculation | 09/04/07 11:55 / bws |
| Solids, Total Dissolved Calculated | 549 | mg/L | | | | Calculation | 09/04/07 11:55 / bws |
| TDS Balance (0.80 - 1.20) | 1.03 | dec. % | | | | Calculation | 09/04/07 11:55 / bws |

**Report Definitions:**
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

9-28-07

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION REPORT DATE: March 20, 2007
IDENTIFICATION: RBLD-5
2-21-07
LABORATORY: JORDAN LABORATORIES, INC.

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 73 | 3.64 | 189.28 | 35.48 |
| MAGNESIUM(MG) | 18 | 1.48 | 68.97 | 14.42 |
| SODIUM(NA) | 114 | 4.96 | 242.54 | 48.34 |
| POTASSIUM(K) | 7.1 | 0.18 | 12.96 | 1.75 |
| TOTAL CATION | | 10.26 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 295 | 4.83 | 210.59 | 48.99 |
| SULFATE(SO4) | 19 | 0.40 | 29.56 | 4.06 |
| CHLORIDE(CL) | 164 | 4.63 | 351.42 | 46.96 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.39 | TOTAL | 1105.32 | |
| SILICA(SIO2) | 30 | | | |
| TOTAL ANION | | 9.86 | | |
| TOTAL ION | 720 | | | |

| | |
|---|---|
| TDS(180 C) | 575 |
| TOT ION-0.5 HCO3= | 573 |
| EC(25 C) | 998 UMHOS |
| EC(DIL)= 98.1 X 11.11= | 1090 UMHOS |
| ALK. AS CACO3 | 242 |
| PH | 7.49 |

ACCURACY CHECK

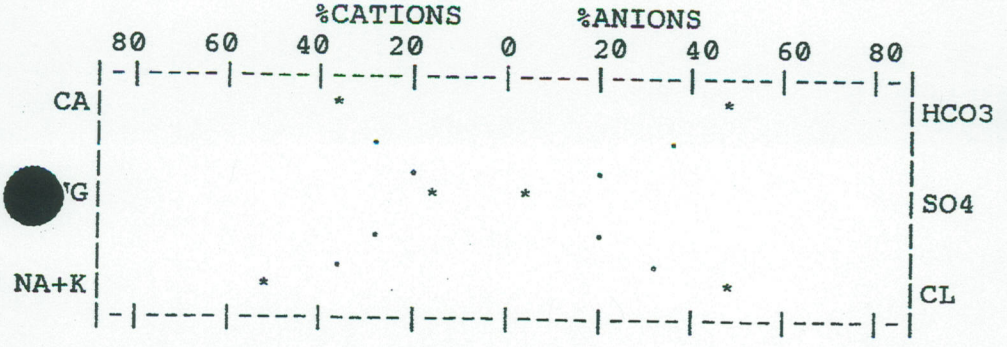
| | | RANGE |
|---|---|---|
| ION | 1.041 | (.96 TO 1.04) |
| TDS | 1.004 | (.90 TO 1.10) |
| EC | 0.986 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 442 | +/- | 2 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.010 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | <0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | 0.001 | URANIUM(U) | 0.035 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY:

LAB.NO:M45-586

GROUND WATER ANALYSIS REPORT-IN SITU MINING-URANIUM

COMPANY: URANIUM ENERGY CORPORATION
IDENTIFICATION: RBL~~Ø~~-6 RBLD-6 cwt
2-21-07
LABORATORY: JORDAN LABORATORIES, INC.

REPORT DATE: March 20, 2007

MAJOR AND SECONDARY CONSTITUENTS

| ITEM | MG/L | EPM | CONDUCTANCE | %EPM |
|---|---|---|---|---|
| CALCIUM(CA) | 90 | 4.49 | 233.48 | 42.28 |
| MAGNESIUM(MG) | 17 | 1.40 | 65.24 | 13.18 |
| SODIUM(NA) | 106 | 4.61 | 225.43 | 43.41 |
| POTASSIUM(K) | 4.7 | 0.12 | 8.64 | 1.13 |
| TOTAL CATION | | 10.62 | | |
| CARBONATE(CO3) | 0 | 0.00 | 0.00 | 0.00 |
| BICARBONATE(HCO3) | 318 | 5.21 | 227.16 | 50.98 |
| SULFATE(SO4) | 13 | 0.27 | 19.95 | 2.64 |
| CHLORIDE(CL) | 168 | 4.74 | 359.77 | 46.38 |
| NITRATE(NO3-N) | <0.01 | | | |
| FLUORIDE(F) | 0.51 | | TOTAL | 1139.66 |
| SILICA(SIO2) | 34 | | | |
| TOTAL ANION | | 10.22 | | |
| TOTAL ION | 751 | | | |

| | |
|---|---|
| TDS(180 C) | 623 |
| TOT ION-0.5 HCO3= | 592 |
| EC(25 C) | 978 UMHOS |
| EC(DIL)= 99.9 X 11.11= | 1110 UMHOS |
| ALK. AS CACO3 | 261 |
| PH | 7.57 |

ACCURACY CHECK

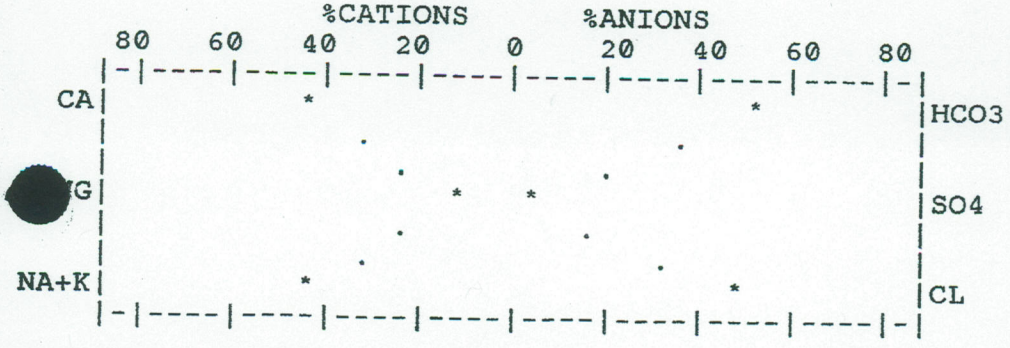
| | | RANGE |
|---|---|---|
| ION | 1.039 | (.96 TO 1.04) |
| TDS | 1.052 | (.90 TO 1.10) |
| EC | 0.974 | (.95 TO 1.05) |

RADIATION-PICOCURIES/LITER

| | | | |
|---|---|---|---|
| GROSS ALPHA | | +/- | |
| GROSS BETA | | +/- | |
| RADIUM 226 | 1040 | +/- | 10 |

MINOR AND TRACE CONSTITUENTS

| ITEM | MG/L | ITEM | MG/L | ITEM | MG/L |
|---|---|---|---|---|---|
| ARSENIC(AS) | 0.002 | MANGANESE(MN) | 0.01 | VANADIUM(V) | |
| BARIUM(BA) | | MERCURY(HG) | <0.0002 | ZINC(ZN) | |
| CADMIUM(CD) | 0.0001 | MOLY.(MO) | <0.1 | BORON(B) | |
| CHROM.(CR) | | NICKEL(NI) | | AMMONIA-N | <0.1 |
| COPPER(CU) | | SELENIUM(SE) | <0.001 | | |
| IRON(FE) | 0.01 | SILVER(AG) | | | |
| LEAD(PB) | 0.001 | URANIUM(U) | 0.019 | | |




NOTE: QC Documnetation is on File at Jordan Labs in Corpus Christi, TX

CHECKED BY: CJC

LAB.NO:M45-587