

H. J. Olson
78025

AMAX

ANALYTICAL REPORT

EXTRACTIVE RESEARCH & DEVELOPMENT, INC.
5950 McINTYRE STREET, GOLDEN, COLORADO 80401
303-279-7636

DATE SUBMITTED: 6-25-84
DATE COMPLETED: _____
WORKING PLACE NUMBER: 6880
DEPT. NO.: 200

JOB NUMBER: _____
SUBMITTED BY: P. Michalik EXT: _____
COPIES TO: _____
SAMPLE PREP. YES NO

LABORATORY COMMENTS: Geothermal Water

DESIRED ACCURACY: _____ 50 x 2.1393 = 5.00

ROUTINE EXPEDITE

AUTHORIZED BY: _____

| REFERRED ORDER OF DETERMINATION | SAMPLE IDENTIFICATION | ppm | | ppm | | ppm | | ppm | | ppm | | SAMPLE MATRIX/COMPOSITION (e.g. pH, MAJOR IONS, ELEMENTS, ETC.) TolMSL - Tolkolme |
|---------------------------------|-----------------------|------|--------|-----|--------|-----|--------|-----|--------|-------|--------|--|
| | | A | E S T. | A | E S T. | A | E S T. | A | E S T. | A | E S T. | |
| 1 | G 10062 | 23.9 | | 62 | | 889 | | 128 | 274 | 17 | | 186 190 |
| 2 | G 10063 | 4.18 | | 51 | | 714 | | 104 | 222 | 2.2 | | 174 204 |
| 3 | G 10064 | 13.3 | | 62 | | 808 | | 121 | 259 | 12 | | 183 199 |
| 4 | G 10065 | 6.8 | | 60 | | 826 | | 128 | 270 | 3.3 | | 186 203 |
| 5 | G 10066 | 3.0 | | 51 | | 754 | | 113 | 242 | 0.8 | | 179 205 |
| 6 | G 11177 | 2.2 | | 53 | | 793 | | 123 | 263 | 1.2 | | 184 208 |
| 7 | G 11178 | 1.7 | | 46 | | 726 | | 112 | 240 | 0.5 | | 178 206 |
| 8 | G 11179 | 16 | | 46 | | 741 | | 118 | 252 | 14 | | 181 183 |
| 9 | G 11180 | 4.3 | | 38 | | 567 | | 87 | 186 | 2.6 | | 164 195 |
| 10 | G 11181 | 3.6 | | 48 | | 827 | | 128 | 274 | 3.5 | | 186 196 |
| 11 | W 15715 | 3.5 | | 33 | | 271 | | 42 | 90 | <0.07 | | 128 218 |
| 12 | W 14775 | 21.0 | | 5.7 | | 57 | | 46 | 98 | 1.4 | | 132 73 |
| 13 | W 15720 | 34.7 | | 20 | | 192 | | 56 | 120 | 7.5 | | 141 180 |
| 14 | W 15721 | 21.8 | | 5.2 | | 65 | | 45 | 96 | 2.3 | | 131 71 |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | *QC - Serial dilution | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |

PARTIAL

| ANALYST'S SIGNATURE(S) | CODE | DATE | DETER. | METHOD | COMMENTS |
|------------------------|------|---------|------------------------|-------------------|---|
| J. Means | 19 | 6-25-84 | Ca K Na Si Mg Cu Mn | Fe Zn Pb B ICP | A = acidified L = large plastic G = Glass |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

RECEIVED JUN 26 1984

| | NO S LOSS | MAY 5 1933 | CHAL | ANAL |
|-----|-----------|------------|-------|-------|
| 128 | 151.5 | 149.7 | 126.4 | 29.8 |
| 104 | 139.4 | 138.6 | 112.9 | 18.9 |
| 121 | 148.1 | 141.9 | 122.7 | 26.8 |
| 113 | 144.1 | 138.5 | 118.2 | 23.2 |
| 123 | 149.1 | 142.7 | 123.8 | 27.7 |
| 112 | 143.6 | 138.1 | 117.6 | 22.9 |
| 118 | 146.1 | 140.6 | 121.0 | 25.4 |
| 87 | 129.6 | 126.3 | 102.1 | 10.1 |
| 42 | 93.8 | 95.7 | 63.4 | -20.8 |
| 46 | 98.0 | 99.2 | 67.8 | -17.3 |
| 56 | 107.2 | 107.2 | 77.6 | -9.4 |
| 45 | 97.0 | 98.4 | 66.7 | -10.2 |

Si

Should be

SiO₂