One Resonance Sensors

ORS

**Providing Reliable Results.**

# Portable Detection and Analysis Tools

# Brine Analyzer, the MobiLab™ 130

**Revolutionary. Portable. Unmatched.**

## MobiLab™ 130

- ✓ Compact and portable
- ✓ Rapid time to results
- ✓ No sample preparation
- ✓ Minimal training
- ✓ Low cost of ownership
- ✓ Multiple elements

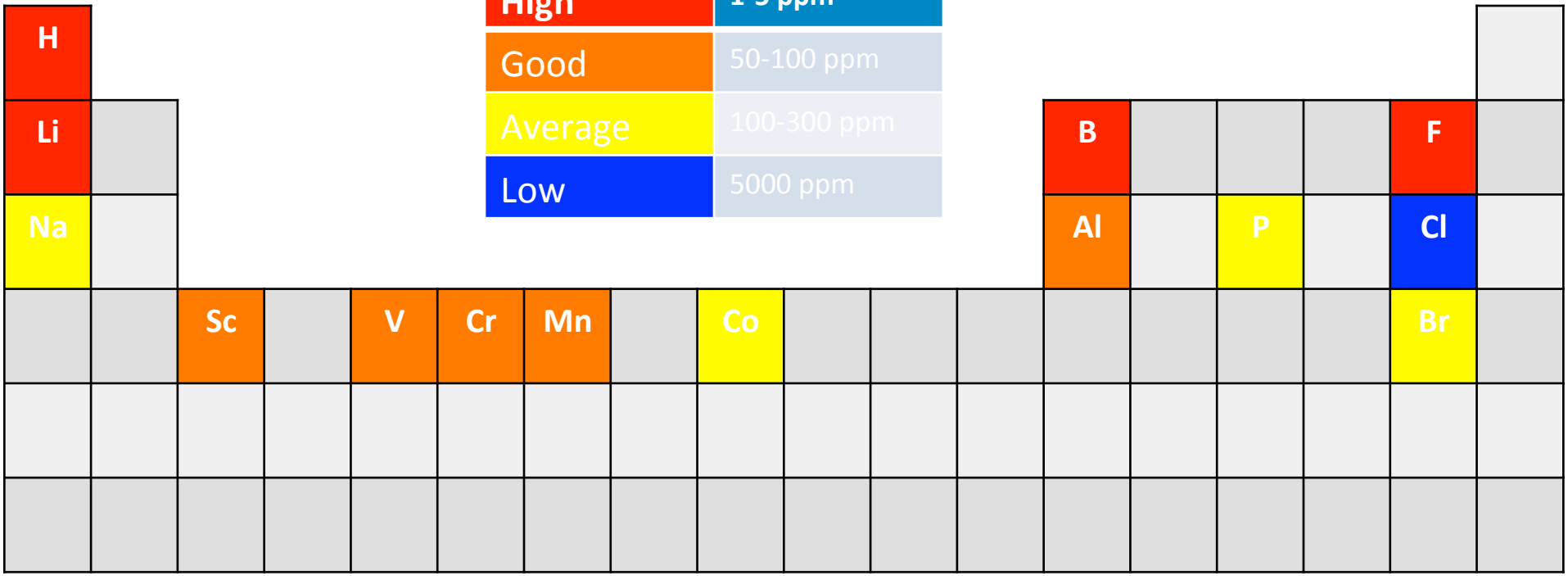
# MobiLab™ 130 Na

- Compact bench top NMR
- Only moving part is a cooling fan
- Rapid Measurement < 20 seconds
- Simple to Calibrate and measure
  - —Similar in operation to a pH meter
- Zero maintenance
- Zero Running cost

# MobiLab 130

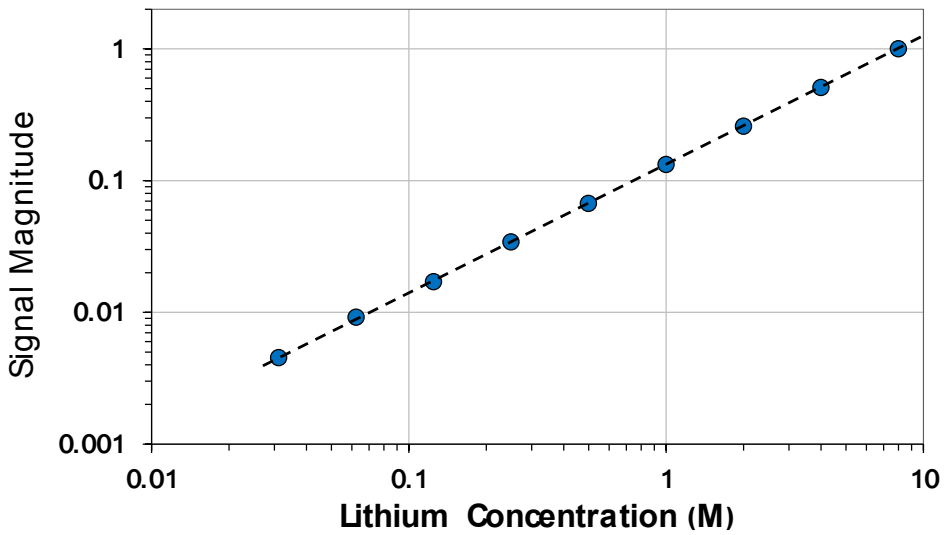
- **Analyzes solutions using magnetic resonance technology**
  - Single and Multiple elements
  - Not all elements measurable by magnetic resonance
  - Sensitivity scale:

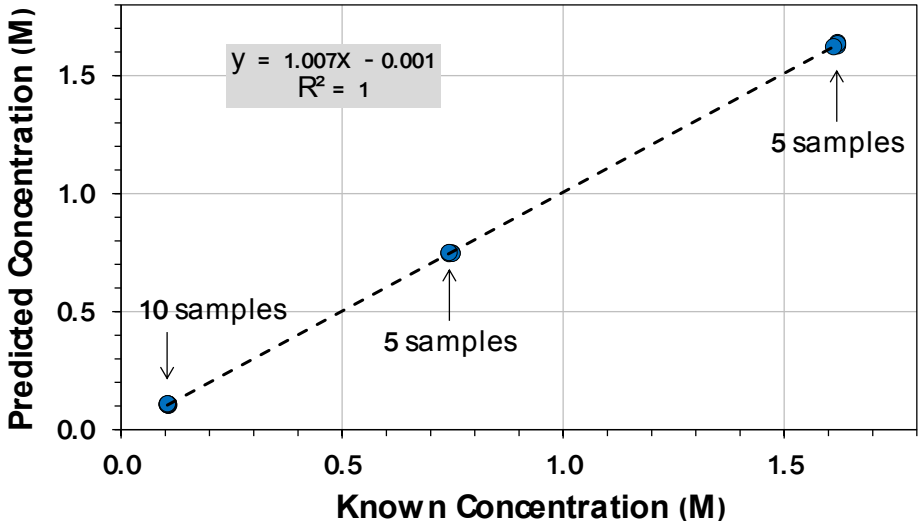
| | |
|---|---|
| High | 1-5 ppm |
| Good | 50-100 ppm |
| Average | 100-300 ppm |
| Low | 5000 ppm |



# MobiLab 130 Li

- Lithium content in < 60 seconds

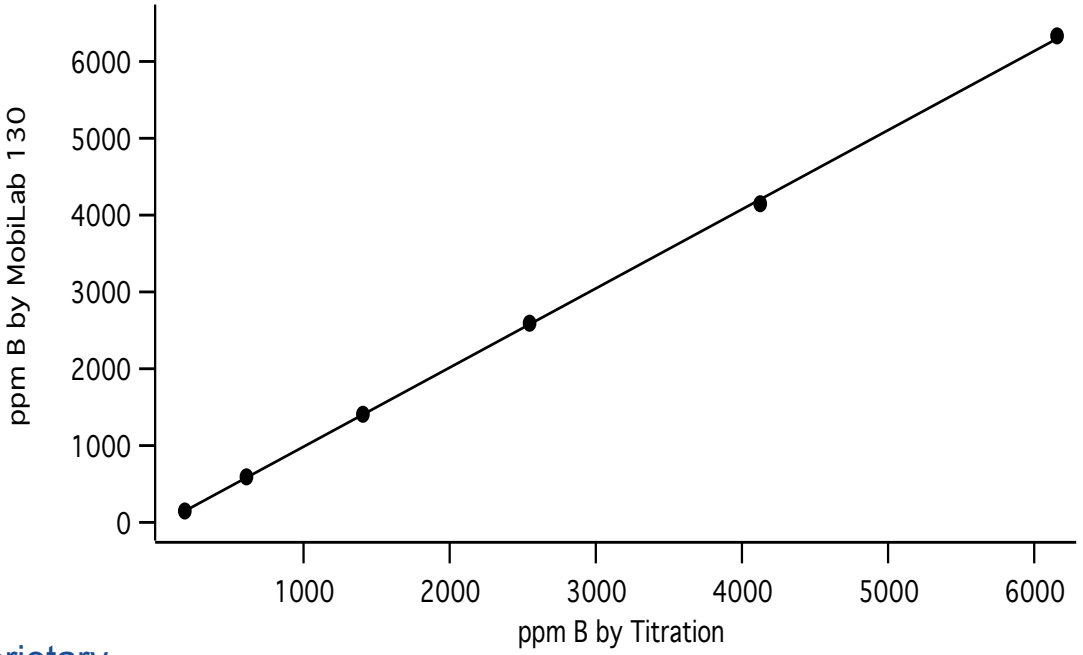


# MobiLab 130 B

Comparison of performance for Boron content versus titration

| | | |
|---|---|---|
| Repeatability (n=5) | 5185 ± 23 mg/L | 5 repeat measurements of the same sample |
| Reproducibility (n=5) | 5201 ± 63 mg/L | 5 samples prepared and measured once |



# MobiLab™ 130 Na

## Comparison NMR vs AA

| Given (mg / L) | MobiLab™ 130 Na | AA |
|---|---|---|
| 301 | 314 | 319 |
| 500 | 533 | 476 |
| 1,000 | 1008 | 953 |
| 1,996 | 1,861 | - |
| 22,913 | 23,172 | 23,109 |
| 80,188 | 80,682 | 80,127 |