



Providing Reliable Results.
Portable Detection
and Analysis Tools



The following presentation is confidential, containing information proprietary to One Resonance Sensors, LLC. None of the information contained in this presentation may be reproduced or disclosed to any person under any mean and circumstances without express written permission of One Resonance Sensors, LLC.

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:

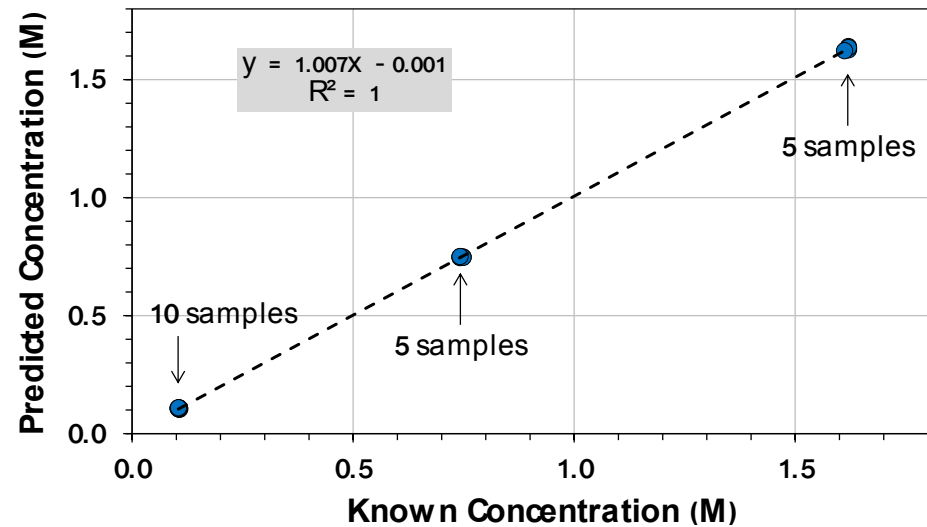
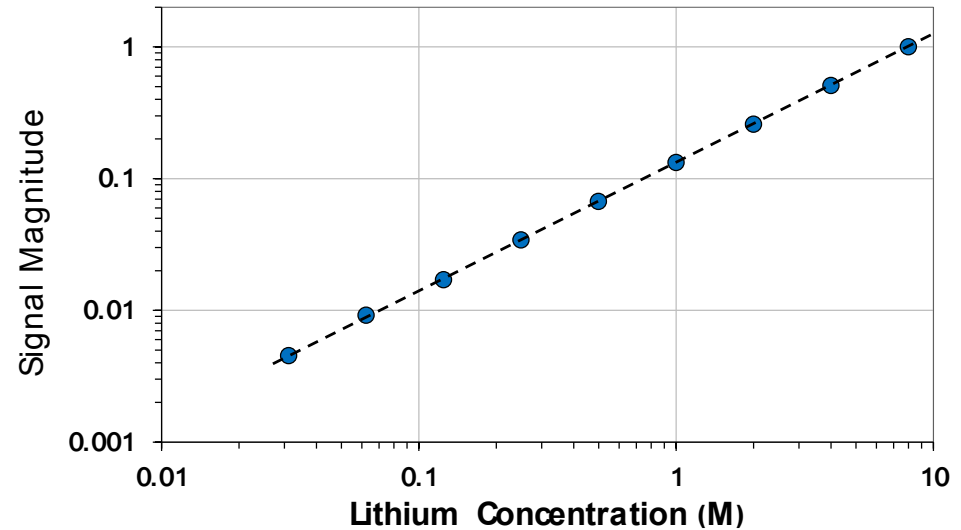
High	1-5 ppm
Good	50-100 ppm
Average	100-300 ppm
Low	5000 ppm

A periodic table where elements are color-coded according to their NMR sensitivity. The color key is: High (red), Good (orange), Average (yellow), and Low (blue). Elements are colored as follows: H (red), Li (red), Na (yellow), Sc (orange), V (orange), Cr (orange), Mn (orange), Co (yellow), B (red), F (red), Al (orange), P (yellow), Cl (blue), Br (yellow).

H																				
Li																				
Na																				
		Sc		V	Cr	Mn		Co												

MobiLab 130 Li

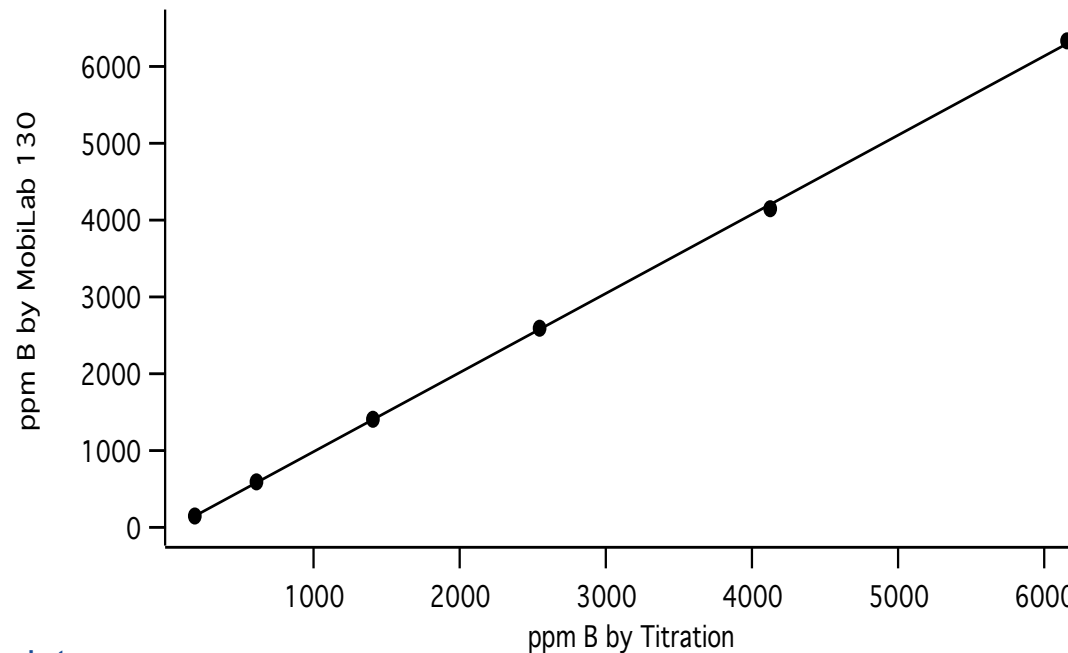
- Lithium content in < 60 seconds



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

