



Core & Soil Analysis Service using Helios NMR Instrumentation



Vista Clara is pleased to offer a full turnkey service providing advanced NMR analysis of your core or soil samples in our laboratory.

Our team of scientists can handle all of the preparatory steps, conduct the full NMR analysis and quickly provide you with detailed results.

Using our industry-leading Helios Core & Soil Analyzers, we can provide measurement of a wide range of soil and core samples, with diameters up to 4 inches, and with a unique combination of short echo spacing, wide bandwidth and low static field strength to mitigate the effects of magnetically susceptible rocks and soils.

Helios can provide the following measurements:

- Total volumetric water content
 - Fully saturated
 - Partially saturated
 - Mobile, capillary, and clay fluid fractions
- Relative pore size distribution
- Direct measurement of total porosity
- Formation-specific calibration for NMR logging (permeability and cutoff times)
- Effect of magnetic mineralization on NMR water content measurement

We've specifically geared this service for flexibility, fast turnaround and cost-effectiveness in order to meet the needs of professionals in industries such as mining, oil & gas, groundwater, public works construction (roads, bridges, dams, etc.), private construction, as well as serving government, academic and research institutions.

[Click here to learn more or to submit a request for sample analysis.](#)

Want to Learn More About Using NMR? Here are some excellent field videos and articles from experts!



These three excellent instructional videos were created by Andrew Parsekian, Ph.D., Assistant Professor, Hydrogeophysics at University of Wyoming.

Andy is one of the leading authorities on tools for characterizing groundwater, including extensive experience with NMR.

[Learn more and watch the videos here](#)



The USGS has lots of very useful information on borehole logging technologies, methods and online resources. Below are two examples.

This USGS video provides a hands-on look at Borehole Nuclear Magnetic Resonance for Environmental Site Management. The article has an overview of USGS Geolog Locator map, along with information on borehole logging tools and techniques.

[Read the USGS article and watch the video](#)

For more info visit the Vista Clara Web Site

Visit our web site at www.vista-clara.com

