Water Lens™

Optimize Your Treatments and Your Bottom Line

Accurate & Consistent On-site Water Testing

FAST & ACCURATE

JUST 10 MINUTES

3 SIMPLE STEPS

27 PARAMETERS

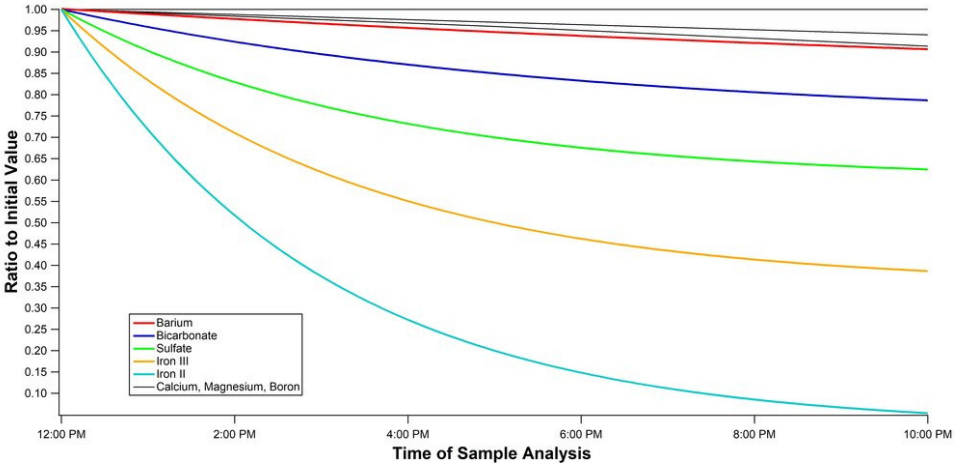
COST-EFFECTIVE

SAFE & EASY

Water Lens, LLC | 4265 San Felipe, Suite 1100, Houston, Texas 77027 | (844) WTR-LENS
info@waterlensusa.com

Water Quality Changes In Just A Few Hours

When the pressure and temperature change after taking a sample, many critical parameters change rapidly.



- Cations and anions start forming insoluble scales ("crashing out")
- Dissolved gases (such as CO2 and H2S) start off-gassing
- Undissolved gases from the air are absorbed by the sample
- All of these are factors cause pH to fluctuate unpredictably
- Acid preserving the sample is often not enough

The current practice for testing water is to either: test for pH and alkalinity in the field and then ship preserved and unpreserved samples to a laboratory; or conduct all of the tests using legacy field methods. By the time the sample arrives at the lab, it is too late, and legacy field methods are typically inaccurate when testing oilfield waters. Additionally, most companies are ultimately paying for two tests; one in the field, one in the lab.

7 REASONS WHY YOU SHOULD USE WATER LENS

- **Fast** & **Accurate** - Lab-quality results in just 10 minutes
- **Safe** - No toxic chemicals or acids
- **Easy** to use - No chemist or trained technician required
- **Saves Money** - Less expensive than traditional lab analyses, eliminates sample transport costs, helps to optimize chemical additives, and reduce downtime
- Enables **real-time decisions** and diagnostics in the field by providing consistent, reliable and actionable data
- Identify problems before **catastrophic fluid failures** occur
- **Test 27 parameters simultaneously.** Trays are configurable to meet your specific water testing needs

Our Solution:
10 Minutes, 1 Field Test, 1 Low Price

The Water Lens system is an accurate, simple, and cost-effective way to determine a multitude of water quality parameters in a matter of minutes, whether in the field or in a lab. The system is design to suit complex waters, and because of this robustness, the system works in any water-intensive industry, such as Oil & Gas, Desalination, Power Generation, Wastewater Treatment, Agriculture and Paper Mills.

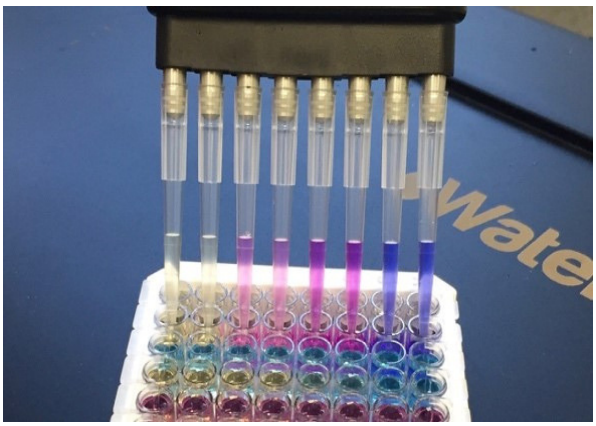
The data generated by the Water Lens system provides our customers with timely, consistent, reliable, and actionable information that can be used throughout your operations.

No Other Field Testing System Comes Close To The Speed, Accuracy, And Ease Of Use As The Water Lens System

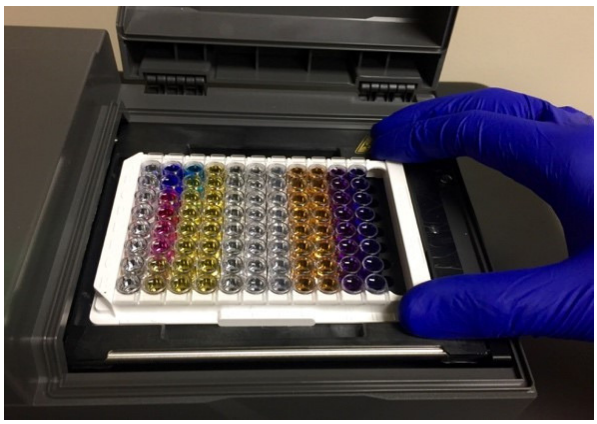
The Water Lens system tests for 27 parameters simultaneously. The system consists of a 96-well plate, preloaded with all of the necessary chemistries, that develop characteristic colors and are read with a compact, portable reader. The information is then exported from the reader into proprietary Water Lens software where the data is analyzed and all the necessary calculations are performed in order to ensure accurate results.

Step 1 - Dilute

Step 2 - Load Sample



Step 3 - Read Tray



Portable all-in-one field kit

The Water Lens system eliminates the need to transport a samples to a lab for analysis or use complicated, error-prone, legacy field testing methods. Our solution brings the lab out to the field.

- Water Lens provides a system for accurate and consistent on-site water testing.
- The kit is designed for the field and is easy to manage.
- Each kit consists of preloaded test trays, pipette, a portable reader and a laptop.
- The test trays are customizable and can be configured to fit your specific testing needs.

Join The Future Of On-site Water Testing

Request a Demo at www.waterlensusa.com

Contact Us

CORPORATE:
4265 San Felipe, Suite 1100
Houston, Texas 77027
(844) WTR-LENS (987-5367)
info@waterlensusa.com

PARAMETERS

- Acetates & Formates
- Alkalinity
- Barium
- Bicarbonate
- Carbonate
- Boron
- Calcium
- Chlorides
- Conductivity
- Hydroxide
- Iron (II)
- Iron (III)
- Total Dissolved Iron
- Langelier Saturation Index (LSI)
- Larson-Skold Index
- Magnesium
- pH
- Potassium
- Resistivity
- Skillman Index
- Sodium
- Specific Gravity
- Stiff & Davis Stability Index (S&DSI)
- Sulfate
- Total Dissolved Solids (TDS)
- Total Hardness
- Turbidity

UNDER DEVELOPMENT

Phase I
Ammonium
Chlorine (Free & Total)
Phosphate
Silicate

Phase II
H2S
Manganese
Nitrate/Nitrite
Sulfide
Zinc

Phase III
APB
ATP
BTEX
CO2
Organic Acids
SRB