

# BROOKSIDE LABORATORIES, INC.

## \*\* WATER ANALYSIS

Quail Creek Golf Club  
1490 N Quail Range Loop, #2  
Green Valley, AZ 85614

File Number: 89490  
Date Received: 03/11/2025  
Date Reported: 03/12/2025

Submitted By: Soil and Water Consulting

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|--------------------|------------------|
| Lab Number         | 0432             |
| Sample Location    | IRRIGATION WATER |
| Sample Description | QUAIL COURSE     |
|                    | #6               |

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|                                 |       |
|---------------------------------|-------|
| pH                              | 7.93  |
| Hardness (ppm)                  | 53.92 |
| Hardness (grains/gal)           | 3.15  |
| Conductivity (mmhos/cm)         | 0.61  |
| Sodium Adsorp. Ratio            | 6.65  |
| Adjusted SAR                    | 7.70  |
| Adjusted RNA                    | 6.04  |
| pHc                             | 8.24  |
| Residual Sodium Carbonate (RSC) | 0.79  |

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|                                       |        | (ppm) | meq/l | lbs/ac in |
|---------------------------------------|--------|-------|-------|-----------|
| Calcium (Ca)                          | 20.98  | 1.05  | 4.76  |           |
| Magnesium (Mg)                        | 0.33   | 0.03  | 0.07  |           |
| Potassium (K)                         | 2.20   | 0.06  | 0.50  |           |
| Sodium (Na)                           | 112.10 | 4.87  | 25.42 |           |
| Iron (Fe)                             | < 0.10 |       |       |           |
| Total Alkalinity (CaCO <sub>3</sub> ) | 93.00  |       | 21.09 |           |
| Carbonate (CO <sub>3</sub> )          | 0.00   |       |       |           |
| Bicarbonate (HCO <sub>3</sub> )       | 113.48 | 1.86  | 25.74 |           |
| Hydroxide (OH)                        | 0.00   |       |       |           |
| Chloride (Cl)                         | 5.11   | 0.14  | 1.16  |           |
| Sulfur as (S04)                       | 186.35 | 3.88  | 42.26 |           |
| Salt Concentration (TDS)              | 390.40 |       | 88.54 |           |
| Boron (B)                             | 0.25   |       | 0.06  |           |

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| Cation/Anion Ratio | 1.02 |
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Reviewed by:

Malorie Dirksen