

BROOKSIDE LABORATORIES, INC.  
SATURATED SOIL ANALYSIS

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

File Number: 89490  
Date Received: 10/21/2024  
Date Reported: 10/22/2024

Submitted By: Soil and Water Consulting

|                  |                   |       |       |                       |       |       |
|------------------|-------------------|-------|-------|-----------------------|-------|-------|
| Lab Number       | 0045              |       |       | 0046                  |       |       |
| Description      | QUAIL<br>TEE<br>4 |       |       | QUAIL<br>FAIRWAY<br>4 |       |       |
| pH               | 8.2               |       |       | 8.2                   |       |       |
|                  | (ppm)             | meq/l | %     | (ppm)                 | meq/l | %     |
| Soluble Salts *  | 467               |       |       | 732                   |       |       |
| Chloride         | 16                |       |       | 39                    |       |       |
| Nitrate (NO3-N)  | < 0.5             |       |       | < 0.5                 |       |       |
| Bicarbonate      | 183.09            |       |       | 216.07                |       |       |
| Sulfur           | 75.69             |       |       | 133.57                |       |       |
| Phosphorus       | 0.52              |       |       | 0.82                  |       |       |
| Calcium          | 47.54             | 2.37  | 28.46 | 72.76                 | 3.63  | 26.02 |
| Magnesium        | 6.90              | 0.57  | 6.81  | 6.68                  | 0.55  | 3.94  |
| Potassium        | 9.39              | 0.24  | 2.88  | 17.90                 | 0.46  | 3.28  |
| Sodium           | 118.57            | 5.16  | 61.85 | 214.31                | 9.32  | 66.77 |
| TOTAL            |                   | 8.33  | 100   |                       | 13.96 | 100   |
| Boron            | 0.19              |       |       | 0.31                  |       |       |
| Iron             | 7.02              |       |       | 5.79                  |       |       |
| Manganese        | 0.71              |       |       | 0.21                  |       |       |
| Copper           | 0.03              |       |       | 0.08                  |       |       |
| Zinc             | 0.05              |       |       | 0.06                  |       |       |
| Aluminum         | 14.69             |       |       | 10.50                 |       |       |
| Ammonium (NH4-N) | 0.6               |       |       | 0.9                   |       |       |
| ESP (calculated) | 4.77              |       |       | 7.62                  |       |       |
| SAR (calculated) | 4.25              |       |       | 6.45                  |       |       |

\* Soluble Salts: mmhos/cm = ppm / 640

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|             |                     |
|-------------|---------------------|
| Lab Number  | 0047                |
| Description | QUAIL<br>GREEN<br>4 |

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|    |     |
|----|-----|
| pH | 7.9 |
|----|-----|

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|                 | (ppm) | meq/l | % | (ppm) | meq/l | % |
|-----------------|-------|-------|---|-------|-------|---|
| Soluble Salts * | 295   |       |   |       |       |   |
| Chloride        | 17    |       |   |       |       |   |
| Nitrate (NO3-N) | 0.7   |       |   |       |       |   |
| Bicarbonate     | 97.33 |       |   |       |       |   |

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|            |       |      |       |  |  |  |
|------------|-------|------|-------|--|--|--|
| Sulfur     | 46.12 |      |       |  |  |  |
| Phosphorus | 1.21  |      |       |  |  |  |
| Calcium    | 24.68 | 1.23 | 23.29 |  |  |  |
| Magnesium  | 6.60  | 0.54 | 10.27 |  |  |  |
| Potassium  | 12.40 | 0.32 | 6.00  |  |  |  |
| Sodium     | 73.48 | 3.19 | 60.43 |  |  |  |
| TOTAL      |       | 5.29 | 100   |  |  |  |

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|                  |       |
|------------------|-------|
| Boron            | 0.21  |
| Iron             | 11.39 |
| Manganese        | 0.38  |
| Copper           | 0.03  |
| Zinc             | 0.05  |
| Aluminum         | 14.99 |
| Ammonium (NH4-N) | < 0.5 |

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|                  |      |
|------------------|------|
| ESP (calculated) | 3.61 |
| SAR (calculated) | 3.39 |

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\* Soluble Salts: mmhos/cm = ppm / 640