

# BROOKSIDE LABORATORIES, INC.

## SATURATED SOIL ANALYSIS

Western Golf Properties  
1 Spectrum Pointe Dr #310  
Lake Forest, CA 92630

File Number: 80046  
Date Received: 9/16/2022  
Date Reported: 9/20/2022

Submitted By: Soil and Water Consulting

|                  |           |       |       |           |       |       |  |
|------------------|-----------|-------|-------|-----------|-------|-------|--|
| Lab Number       | 0028      |       |       | 0029      |       |       |  |
| Description      | REVERE GC |       |       | REVERE GC |       |       |  |
|                  | CONCORD   |       |       | CONCORD   |       |       |  |
|                  | TEE 3     |       |       | FWAY 3    |       |       |  |
| pH               | 8.0       |       |       | 7.9       |       |       |  |
|                  | (ppm)     | meq/l | %     | (ppm)     | meq/l | %     |  |
| Soluble Salts *  | 513       |       |       | 2201      |       |       |  |
| Chloride         | 88        |       |       | 251       |       |       |  |
| Nitrate (NO3-N)  | 2.8       |       |       | 8.2       |       |       |  |
| Bicarbonate      | 128.97    |       |       | 138.24    |       |       |  |
| Sulfur           | 50.11     |       |       | 608.27    |       |       |  |
| Phosphorus       | 3.38      |       |       | 1.07      |       |       |  |
| Calcium          | 38.35     | 1.91  | 21.13 | 559.37    | 27.91 | 54.31 |  |
| Magnesium        | 13.41     | 1.10  | 12.18 | 88.83     | 7.31  | 14.21 |  |
| Potassium        | 19.20     | 0.49  | 5.42  | 51.94     | 1.33  | 2.58  |  |
| Sodium           | 127.64    | 5.55  | 61.27 | 341.52    | 14.85 | 28.89 |  |
| TOTAL            |           | 9.06  | 100   |           | 51.39 | 100   |  |
| Boron            | 0.24      |       |       | 0.46      |       |       |  |
| Iron             | 1.79      |       |       | 0.10      |       |       |  |
| Manganese        | 0.38      |       |       | 0.26      |       |       |  |
| Copper           | 0.06      |       |       | 0.03      |       |       |  |
| Zinc             | 0.03      |       |       | 0.02      |       |       |  |
| Aluminum         | 3.23      |       |       | 0.15      |       |       |  |
| Ammonium (NH4-N) | < 0.5     |       |       | 1.1       |       |       |  |
| ESP (calculated) | 5.13      |       |       | 3.81      |       |       |  |
| SAR (calculated) | 4.52      |       |       | 3.54      |       |       |  |

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

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|------------------|-----------|-------|-------|-----------|-------|-------|--|
| Lab Number       | 0030      |       |       | 0031      |       |       |  |
| Description      | REVERE GC |       |       | REVERE GC |       |       |  |
|                  | CONCORD   |       |       | CONCORD   |       |       |  |
|                  | GREEN 3   |       |       | GREEN 6   |       |       |  |
| pH               | 7.9       |       |       | 7.8       |       |       |  |
|                  | (ppm)     | meq/l | %     | (ppm)     | meq/l | %     |  |
| Soluble Salts *  | 560       |       |       | 520       |       |       |  |
| Chloride         | 52        |       |       | 55        |       |       |  |
| Nitrate (NO3-N)  | 7.9       |       |       | 2.6       |       |       |  |
| Bicarbonate      | 113.54    |       |       | 109.90    |       |       |  |
| Sulfur           | 83.50     |       |       | 64.63     |       |       |  |
| Phosphorus       | 6.91      |       |       | 4.14      |       |       |  |
| Calcium          | 57.29     | 2.86  | 29.36 | 47.75     | 2.38  | 26.69 |  |
| Magnesium        | 18.10     | 1.49  | 15.29 | 14.53     | 1.20  | 13.38 |  |
| Potassium        | 30.04     | 0.77  | 7.89  | 23.58     | 0.60  | 6.76  |  |
| Sodium           | 106.26    | 4.62  | 47.45 | 109.20    | 4.75  | 53.17 |  |
| TOTAL            |           | 9.74  | 100   |           | 8.93  | 100   |  |
| Boron            | 0.28      |       |       | 0.18      |       |       |  |
| Iron             | 1.56      |       |       | 1.37      |       |       |  |
| Manganese        | 0.80      |       |       | 0.27      |       |       |  |
| Copper           | 0.06      |       |       | 0.06      |       |       |  |
| Zinc             | 0.07      |       |       | 0.05      |       |       |  |
| Aluminum         | 3.04      |       |       | 2.70      |       |       |  |
| Ammonium (NH4-N) | 0.7       |       |       | < 0.5     |       |       |  |
| ESP (calculated) | 3.25      |       |       | 3.82      |       |       |  |
| SAR (calculated) | 3.13      |       |       | 3.55      |       |       |  |

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|             |           |
|-------------|-----------|
| Lab Number  | 0032      |
| Description | REVERE GC |
|             | CONCORD   |
|             | GREEN 13  |

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

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|                  | (ppm)  | meq/l | %     | (ppm) | meq/l | % |
|------------------|--------|-------|-------|-------|-------|---|
| Soluble Salts *  | 562    |       |       |       |       |   |
| Chloride         | 77     |       |       |       |       |   |
| Nitrate (NO3-N)  | 3.4    |       |       |       |       |   |
| Bicarbonate      | 111.19 |       |       |       |       |   |
| Sulfur           | 69.90  |       |       |       |       |   |
| Phosphorus       | 6.92   |       |       |       |       |   |
| Calcium          | 57.82  | 2.89  | 28.73 |       |       |   |
| Magnesium        | 17.73  | 1.46  | 14.52 |       |       |   |
| Potassium        | 27.38  | 0.70  | 6.97  |       |       |   |
| Sodium           | 114.95 | 5.00  | 49.77 |       |       |   |
| TOTAL            |        | 10.04 | 100   |       |       |   |
| Boron            | 0.19   |       |       |       |       |   |
| Iron             | 1.41   |       |       |       |       |   |
| Manganese        | 0.18   |       |       |       |       |   |
| Copper           | 0.05   |       |       |       |       |   |
| Zinc             | 0.06   |       |       |       |       |   |
| Aluminum         | 2.94   |       |       |       |       |   |
| Ammonium (NH4-N) | 0.8    |       |       |       |       |   |
| ESP (calculated) | 3.61   |       |       |       |       |   |
| SAR (calculated) | 3.39   |       |       |       |       |   |

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