

## Report of Analysis

|                   |               |                 |          |
|-------------------|---------------|-----------------|----------|
| Client:           | PSEG          | Date Collected: | 06/03/25 |
| Project:          | Kearny Switch | Date Received:  | 06/03/25 |
| Client Sample ID: | VNJ-231       | SDG No.:        | Q2199    |
| Lab Sample ID:    | Q2199-03      | Matrix:         | SOIL     |
| Level (low/med):  | low           | % Solid:        | 89.3     |

| Cas       | Parameter | Conc. | Qua. | DF | MDL    | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|--------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 5420  |      | 1  | 0.87   | 5.16       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-36-0 | Antimony  | 2.58  | UN   | 1  | 0.23   | 2.58       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-38-2 | Arsenic   | 3.13  |      | 1  | 0.20   | 1.03       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-39-3 | Barium    | 32.2  | N    | 1  | 0.75   | 5.16       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-41-7 | Beryllium | 0.38  | N    | 1  | 0.026  | 0.31       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-43-9 | Cadmium   | 0.35  | *    | 1  | 0.025  | 0.31       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-70-2 | Calcium   | 1180  |      | 1  | 11.5   | 103        | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-47-3 | Chromium  | 10.3  | N    | 1  | 0.049  | 0.52       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-48-4 | Cobalt    | 5.18  |      | 1  | 0.10   | 1.55       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-50-8 | Copper    | 20.3  | N    | 1  | 0.23   | 1.03       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7439-89-6 | Iron      | 13400 |      | 1  | 4.12   | 5.16       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7439-92-1 | Lead      | 28.2  |      | 1  | 0.13   | 0.62       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7439-95-4 | Magnesium | 1680  |      | 1  | 12.4   | 103        | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7439-96-5 | Manganese | 248   |      | 1  | 0.14   | 1.03       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7439-97-6 | Mercury   | 0.027 | N    | 1  | 0.0090 | 0.016      | mg/Kg             | 06/04/25 08:15 | 06/04/25 16:15 | 7471B    |           |
| 7440-02-0 | Nickel    | 11.1  |      | 1  | 0.13   | 2.06       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-09-7 | Potassium | 545   | N*   | 1  | 28.6   | 103        | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7782-49-2 | Selenium  | 0.70  | J    | 1  | 0.27   | 1.03       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-22-4 | Silver    | 0.88  | N    | 1  | 0.12   | 0.52       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-23-5 | Sodium    | 203   | N*   | 1  | 18.4   | 103        | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-28-0 | Thallium  | 2.06  | U    | 1  | 0.24   | 2.06       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-62-2 | Vanadium  | 19.9  |      | 1  | 0.26   | 2.06       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |
| 7440-66-6 | Zinc      | 61.2  | N    | 1  | 0.24   | 2.06       | mg/Kg             | 06/04/25 10:20 | 06/05/25 18:03 | 6010D    | SW3050    |

|               |               |                 |            |        |
|---------------|---------------|-----------------|------------|--------|
| Color Before: | Brown         | Clarity Before: | Texture:   | Medium |
| Color After:  | Yellow        | Clarity After:  | Artifacts: |        |
| Comments:     | METALS TAL+CN |                 |            |        |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N =Spiked sample recovery not within control limits