

## Report of Analysis

|                   |                                        |                 |          |
|-------------------|----------------------------------------|-----------------|----------|
| Client:           | Xin Nie                                | Date Collected: | 08/05/25 |
| Project:          | NJUC residential water quality testing | Date Received:  | 08/06/25 |
| Client Sample ID: | WATER                                  | SDG No.:        | Q2785    |
| Lab Sample ID:    | Q2785-01                               | Matrix:         | Water    |
| Level (low/med):  | low                                    | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met.  | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|-----------|-----------|
| 7429-90-5 | Aluminum  | 84.1  |      | 1  | 15.4  | 50.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-36-0 | Antimony  | 2.72  | U    | 1  | 2.72  | 25.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-38-2 | Arsenic   | 1.85  | U    | 1  | 1.85  | 10.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-39-3 | Barium    | 46.6  | J    | 1  | 9.75  | 50.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-41-7 | Beryllium | 0.27  | U    | 1  | 0.27  | 3.00       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-43-9 | Cadmium   | 0.77  | J    | 1  | 0.31  | 3.00       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-70-2 | Calcium   | 28600 |      | 1  | 86.4  | 1000       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-47-3 | Chromium  | 0.53  | U    | 1  | 0.53  | 5.00       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-48-4 | Cobalt    | 1.16  | U    | 1  | 1.16  | 15.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-50-8 | Copper    | 6.75  | J    | 1  | 1.89  | 10.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7439-89-6 | Iron      | 34.8  | J    | 1  | 18.0  | 50.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7439-92-1 | Lead      | 26.8  |      | 1  | 1.21  | 6.00       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7439-95-4 | Magnesium | 5880  | N    | 1  | 104   | 1000       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7439-96-5 | Manganese | 12.7  |      | 1  | 2.46  | 10.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7439-97-6 | Mercury   | 0.027 | U    | 1  | 0.027 | 0.20       | ug/L  | 08/12/25 13:50 | 08/12/25 18:01 | E245.1    |           |
| 7440-02-0 | Nickel    | 2.48  | J    | 1  | 1.90  | 20.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-09-7 | Potassium | 1740  | N    | 1  | 309   | 1000       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7782-49-2 | Selenium  | 2.52  | U    | 1  | 2.52  | 10.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-22-4 | Silver    | 0.81  | U    | 1  | 0.81  | 5.00       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-23-5 | Sodium    | 57800 |      | 1  | 367   | 1000       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-28-0 | Thallium  | 2.51  | U    | 1  | 2.51  | 20.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-62-2 | Vanadium  | 2.49  | U    | 1  | 2.49  | 20.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |
| 7440-66-6 | Zinc      | 441   | N    | 1  | 2.00  | 20.0       | ug/L  | 08/11/25 12:55 | 08/12/25 13:20 | EPA 200.7 |           |

|               |            |                 |       |            |
|---------------|------------|-----------------|-------|------------|
| Color Before: | Colorless  | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless  | Clarity After:  | Clear | Artifacts: |
| Comments:     | METALS-TAL |                 |       |            |

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