



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1930 **Order ID:** Q1930  
**Client:** VERINA CONSULTING GROUP, LLC **Project ID:** Rotor Clip NJ WTD - 2025

| Sample ID                                    | Client ID             | Matrix | Parameter | Concentration | C | MDL  | RDL  | Units |
|----------------------------------------------|-----------------------|--------|-----------|---------------|---|------|------|-------|
| <b>Client ID : WATER-TREATMENT-DISCHARGE</b> |                       |        |           |               |   |      |      |       |
| Q1930-01                                     | WATER-TREATMENT-DISCH | Water  | Chromium  | 156           |   | 1.06 | 5.00 | ug/L  |
| Q1930-01                                     | WATER-TREATMENT-DISCH | Water  | Copper    | 17.4          |   | 2.30 | 10.0 | ug/L  |
| Q1930-01                                     | WATER-TREATMENT-DISCH | Water  | Nickel    | 12.9          | J | 1.53 | 20.0 | ug/L  |
| Q1930-01                                     | WATER-TREATMENT-DISCH | Water  | Zinc      | 49.2          |   | 8.33 | 20.0 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                              |                 |          |
|-------------------|------------------------------|-----------------|----------|
| Client:           | VERINA CONSULTING GROUP, LLC | Date Collected: | 05/01/25 |
| Project:          | Rotor Clip NJ WTD - 2025     | Date Received:  | 05/01/25 |
| Client Sample ID: | WATER-TREATMENT-DISCHARGE    | SDG No.:        | Q1930    |
| Lab Sample ID:    | Q1930-01                     | 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. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7440-47-3 | Chromium  | 156   |      | 1  | 1.06 | 5.00       | ug/L  | 05/05/25 11:05 | 05/05/25 22:08 | SW6010   | SW3010    |
| 7440-50-8 | Copper    | 17.4  |      | 1  | 2.30 | 10.0       | ug/L  | 05/05/25 11:05 | 05/05/25 22:08 | SW6010   | SW3010    |
| 7440-02-0 | Nickel    | 12.9  | J    | 1  | 1.53 | 20.0       | ug/L  | 05/05/25 11:05 | 05/05/25 22:08 | SW6010   | SW3010    |
| 7440-66-6 | Zinc      | 49.2  |      | 1  | 8.33 | 20.0       | ug/L  | 05/05/25 11:05 | 05/05/25 22:08 | SW6010   | SW3010    |

|               |               |                 |       |            |
|---------------|---------------|-----------------|-------|------------|
| Color Before: | Colorless     | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless     | Clarity After:  | Clear | Artifacts: |
| Comments:     | Metals Group4 |                 |       |            |

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
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### Metals

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#### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930  
**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

| Sample ID | Analyte  | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Chromium | 10.0           | +/-10.0             | U            | 10.0 | P | 05/05/2025       | 14:41            | LB135674      |
|           | Copper   | 20.0           | +/-20.0             | U            | 20.0 | P | 05/05/2025       | 14:41            | LB135674      |
|           | Nickel   | 40.0           | +/-40.0             | U            | 40.0 | P | 05/05/2025       | 14:41            | LB135674      |
|           | Zinc     | 40.0           | +/-40.0             | U            | 40.0 | P | 05/05/2025       | 14:41            | LB135674      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> VERINA CONSULTING GROUP, LLC |                       | <b>SDG No.:</b> Q1930  |                       |              |      |   |                  |                  |               |
|---------------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> VERI01                     | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1930 | <b>SAS No.:</b> Q1930 |              |      |   |                  |                  |               |
| Sample ID                                   | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB01                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 15:26            | LB135674      |
| CCB02                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 16:12            | LB135674      |
| CCB03                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:00            | LB135674      |
| CCB04                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:59            | LB135674      |
| CCB05                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 18:47            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 18:47            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 18:47            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 18:47            | LB135674      |
| CCB06                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 19:37            | LB135674      |
| CCB07                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 20:23            | LB135674      |
| CCB08                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 21:12            | LB135674      |
| CCB09                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                             | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:03            | LB135674      |
| CCB10                                       | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                             | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                             | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:37            | LB135674      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930  
**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB10     | Zinc    | 40.0           | +/-40.0             | U            | 40.0 | P | 05/05/2025       | 22:37            | LB135674      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Instrument:** P4

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB167858BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB167858</b> |   | <b>Prep Date:</b> | <b>05/05/2025</b> |          |
|                   | Chromium     | 5.00             | <5.00               | U                    | 5.00            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Copper       | 10.0             | <10.0               | U                    | 10.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Nickel       | 20.0             | <20.0               | U                    | 20.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Zinc         | 20.0             | <20.0               | U                    | 20.0            | P | 05/05/2025        | 18:22             | LB135674 |



# METAL CALIBRATION DATA

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930  
**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Chromium | 508            | 520        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Copper   | 499            | 510        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Nickel   | 490            | 530        | 92            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Zinc     | 969            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930  
**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Chromium | 10.2           | 10.0       | 102           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Copper   | 22.4           | 20.0       | 112           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Nickel   | 39.5           | 40.0       | 99            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Zinc     | 41.2           | 40.0       | 103           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Chromium | 996            | 1000       | 100           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Copper   | 1240           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Nickel   | 2450           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Zinc     | 2480           | 2500       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
| CCV02     | Chromium | 974            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Copper   | 1230           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Nickel   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Zinc     | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
| CCV03     | Chromium | 975            | 1000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Copper   | 1260           | 1250       | 100           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Nickel   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Zinc     | 2460           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
| CCV04     | Chromium | 977            | 1000       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Copper   | 1220           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Nickel   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Zinc     | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
| CCV05     | Chromium | 970            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Copper   | 1230           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Nickel   | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Zinc     | 2470           | 2500       | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
| CCV06     | Chromium | 940            | 1000       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Copper   | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Nickel   | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Zinc     | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
| CCV07     | Chromium | 955            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Copper   | 1170           | 1250       | 93            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Nickel   | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Zinc     | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
| CCV08     | Chromium | 961            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Copper   | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Nickel   | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Zinc     | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
| CCV09     | Chromium | 959            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Copper   | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |

**Metals**

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**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV09     | Nickel   | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Zinc     | 2320           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
| CCV10     | Chromium | 967            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Copper   | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Nickel   | 2370           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Zinc     | 2330           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |



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**Metals**

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**CRDL STANDARD FOR AA & ICP**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930  
**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930  
**Initial Calibration Source:** \_\_\_\_\_  
**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CRI01     | Chromium | 10.3           | 10.0               | 103           | 40 - 160                  | P | 05/05/2025       | 14:47            | LB135674      |
|           | Copper   | 22.4           | 20.0               | 112           | 40 - 160                  | P | 05/05/2025       | 14:47            | LB135674      |
|           | Nickel   | 39.9           | 40.0               | 100           | 40 - 160                  | P | 05/05/2025       | 14:47            | LB135674      |
|           | Zinc     | 42.7           | 40.0               | 107           | 40 - 160                  | P | 05/05/2025       | 14:47            | LB135674      |

**Metals**  
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**INTERFERENCE CHECK SAMPLE**

**Client:** VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930  
**Contract:** VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID      | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|----------------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| <b>ICSA01</b>  | Chromium | 53.8           | 52.0               | 104           | 42                     | 62                      | 05/05/2025       | 14:52            | LB135674      |
|                | Copper   | 12.1           | 2.0                | 605           | -18                    | 22                      | 05/05/2025       | 14:52            | LB135674      |
|                | Nickel   | 1.16           | 2.0                | 58            | -38                    | 42                      | 05/05/2025       | 14:52            | LB135674      |
|                | Zinc     | 3.23           |                    |               | -40                    | 40                      | 05/05/2025       | 14:52            | LB135674      |
| <b>ICSAB01</b> | Chromium | 572            | 542                | 106           | 460                    | 624                     | 05/05/2025       | 15:07            | LB135674      |
|                | Copper   | 520            | 511                | 102           | 434                    | 588                     | 05/05/2025       | 15:07            | LB135674      |
|                | Nickel   | 1020           | 954                | 107           | 810                    | 1100                    | 05/05/2025       | 15:07            | LB135674      |
|                | Zinc     | 1070           | 952                | 112           | 809                    | 1095                    | 05/05/2025       | 15:07            | LB135674      |



# METAL QC DATA

**metals**  
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**MATRIX SPIKE SUMMARY**

**client:** VERINA CONSULTING GROUP, LLC      **level:** low      **sdg no.:** Q1930  
**contract:** VERI01      **lab code:** CHEM      **case no.:** Q1930      **sas no.:** Q1930  
**matrix:** Water      **sample id:** Q1930-01      **client id:** WATER-TREATMENT-DISCHARGEMS  
**Percent Solids for Sample:** NA      **Spiked ID:** Q1930-01MS      **Percent Solids for Spike Sample:** NA

| Analyte  | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Chromium | ug/L  | 75 - 125               | 345              |   | 156              |   | 200            | 94            |      | P |
| Copper   | ug/L  | 75 - 125               | 151              |   | 17.4             |   | 150            | 89            |      | P |
| Nickel   | ug/L  | 75 - 125               | 267              |   | 12.9             | J | 250            | 101           |      | P |
| Zinc     | ug/L  | 75 - 125               | 157              |   | 49.2             |   | 100            | 108           |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                                    |                                      |                                                            |
|----------------------------------------------------|--------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>VERINA CONSULTING GROUP, LLC</u> | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q1930</u>                               |
| <b>contract:</b> <u>VERI01</u>                     | <b>lab code:</b> <u>CHEM</u>         | <b>case no.:</b> <u>Q1930</u> <b>sas no.:</b> <u>Q1930</u> |
| <b>matrix:</b> <u>Water</u>                        | <b>sample id:</b> <u>Q1930-01</u>    | <b>client id:</b> <u>WATER-TREATMENT-DISCHARGEMSD</u>      |
| <b>Percent Solids for Sample:</b> <u>NA</u>        | <b>Spiked ID:</b> <u>Q1930-01MSD</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte  | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Chromium | ug/L  | 75 - 125               | 341           |   | 156              |   | 200            | 93            |      | P |
| Copper   | ug/L  | 75 - 125               | 152           |   | 17.4             |   | 150            | 90            |      | P |
| Nickel   | ug/L  | 75 - 125               | 269           |   | 12.9             | J | 250            | 102           |      | P |
| Zinc     | ug/L  | 75 - 125               | 151           |   | 49.2             |   | 100            | 102           |      | P |

**Metals**  
**- 5b -**

Client:

VERINA CONSULTING GROUP, LLC

SDG No.:

Q1930

Contract:

VERI01

Lab Code:

CHEM

Case No.:

Q1930

SAS No.:

Q1930

Matrix:

Level:

LOW

Client ID:

Sample ID:

Spiked ID:

| Analyte | Units | Acceptance<br>Limit %R | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|
|         |       |                        |   |                  |   |                |               |      |   |

|   |
|---|
| A |
| B |
| C |
| D |
| E |
| F |
| G |
| H |
| I |
| J |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** VERINA CONSULTING GROUP, LLC      **Level:** LOW      **SDG No.:** Q1930  
**Contract:** VERI01      **Lab Code:** CHEM      **Case No.:** Q1930      **SAS No.:** Q1930  
**Matrix:** Water      **Sample ID:** Q1930-01      **Client ID:** WATER-TREATMENT-DISCHARGEDUP  
**Percent Solids for Sample:** NA      **Duplicate ID** Q1930-01DUP      **Percent Solids for Spike Sample:** NA

| Analyte  | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Chromium | ug/L  | 20               | 156           |   | 159              |   | 2   |      | P |
| Copper   | ug/L  | 20               | 17.4          |   | 17.4             |   | 0   |      | P |
| Nickel   | ug/L  | 20               | 12.9          | J | 12.8             | J | 1   |      | P |
| Zinc     | ug/L  | 20               | 49.2          |   | 49.8             |   | 1   |      | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** VERINA CONSULTING GROUP, LLC      **Level:** LOW      **SDG No.:** Q1930  
**Contract:** VERI01      **Lab Code:** CHEM      **Case No.:** Q1930      **SAS No.:** Q1930  
**Matrix:** Water      **Sample ID:** Q1930-01MS      **Client ID:** WATER-TREATMENT-DISCHARGEMSD  
**Percent Solids for Sample:** NA      **Duplicate ID** Q1930-01MSD      **Percent Solids for Spike Sample:** NA

| Analyte  | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Chromium | ug/L  | 20               | 345           |   | 341              |   | 1   |      | P |
| Copper   | ug/L  | 20               | 151           |   | 152              |   | 1   |      | P |
| Nickel   | ug/L  | 20               | 267           |   | 269              |   | 1   |      | P |
| Zinc     | ug/L  | 20               | 157           |   | 151              |   | 4   |      | P |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Contract:** VERI01

**Lab Code:** CHEM

**Case No.:** Q1930

**SAS No.:** Q1930

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB167858BS |       |            |        |   |               |                      |   |
| Chromium   | ug/L  | 200        | 183    |   | 92            | 80 - 120             | P |
| Copper     | ug/L  | 150        | 140    |   | 93            | 80 - 120             | P |
| Nickel     | ug/L  | 250        | 228    |   | 91            | 80 - 120             | P |
| Zinc       | ug/L  | 100        | 91.9   |   | 92            | 80 - 120             | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

WATER-TREATMENT-DISCHARGEL

**Lab Name:** Chemtech Consulting Group **Contract:** VERI01  
**Lab Code:** CHEM **Lb No.:** lb135674 **Lab Sample ID :** Q1930-01L **SDG No.:** Q1930  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte  | Initial Sample<br>Result (I) |   | Serial Dilution<br>Result (S) |   | % Differ-<br>ence |  | Q | M |
|----------|------------------------------|---|-------------------------------|---|-------------------|--|---|---|
|          | C                            |   | C                             |   |                   |  |   |   |
| Chromium | 156                          |   | 151                           |   | 3                 |  |   | P |
| Copper   | 17.4                         |   | 17.4                          | J | 0                 |  |   | P |
| Nickel   | 12.9                         | J | 12.4                          | J | 4                 |  |   | P |
| Zinc     | 49.2                         |   | 42.9                          | J | 13                |  |   | P |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** VERINA CONSULTING GROUP, LLC

**Contract:** VERI01

**Lab code:** CHEM

**Case no.:** Q1930

**Sas no.:** Q1930

**Sdg no.:** Q1930

**Instrument id number:**

**Method:**

**Run number:** LB135674

**Start date:** 05/05/2025

**End date:** 05/05/2025

| Lab sample id. | Client Sample Id       | d/f | Time | Parameter list |
|----------------|------------------------|-----|------|----------------|
| S0             | S0                     | 1   | 1302 | Cr,Cu,Ni,Zn    |
| S1             | S1                     | 1   | 1307 | Cr,Cu,Ni,Zn    |
| S2             | S2                     | 1   | 1311 | Cr,Cu,Ni,Zn    |
| S3             | S3                     | 1   | 1315 | Cr,Cu,Ni,Zn    |
| S4             | S4                     | 1   | 1319 | Cr,Cu,Ni,Zn    |
| S5             | S5                     | 1   | 1324 | Cr,Cu,Ni,Zn    |
| ICV01          | ICV01                  | 1   | 1418 | Cr,Cu,Ni,Zn    |
| LLICV01        | LLICV01                | 1   | 1436 | Cr,Cu,Ni,Zn    |
| ICB01          | ICB01                  | 1   | 1441 | Cr,Cu,Ni,Zn    |
| CRI01          | CRI01                  | 1   | 1447 | Cr,Cu,Ni,Zn    |
| ICSA01         | ICSA01                 | 1   | 1452 | Cr,Cu,Ni,Zn    |
| ICSAB01        | ICSAB01                | 1   | 1507 | Cr,Cu,Ni,Zn    |
| CCV01          | CCV01                  | 1   | 1520 | Cr,Cu,Ni,Zn    |
| CCB01          | CCB01                  | 1   | 1526 | Cr,Cu,Ni,Zn    |
| CCV02          | CCV02                  | 1   | 1607 | Cr,Cu,Ni,Zn    |
| CCB02          | CCB02                  | 1   | 1612 | Cr,Cu,Ni,Zn    |
| CCV03          | CCV03                  | 1   | 1656 | Cr,Cu,Ni,Zn    |
| CCB03          | CCB03                  | 1   | 1700 | Cr,Cu,Ni,Zn    |
| CCV04          | CCV04                  | 1   | 1755 | Cr,Cu,Ni,Zn    |
| CCB04          | CCB04                  | 1   | 1759 | Cr,Cu,Ni,Zn    |
| PB167858BL     | PB167858BL             | 1   | 1822 | Cr,Cu,Ni,Zn    |
| PB167858BS     | PB167858BS             | 1   | 1827 | Cr,Cu,Ni,Zn    |
| CCV05          | CCV05                  | 1   | 1843 | Cr,Cu,Ni,Zn    |
| CCB05          | CCB05                  | 1   | 1847 | Cr,Cu,Ni,Zn    |
| CCV06          | CCV06                  | 1   | 1932 | Cr,Cu,Ni,Zn    |
| CCB06          | CCB06                  | 1   | 1937 | Cr,Cu,Ni,Zn    |
| CCV07          | CCV07                  | 1   | 2019 | Cr,Cu,Ni,Zn    |
| CCB07          | CCB07                  | 1   | 2023 | Cr,Cu,Ni,Zn    |
| CCV08          | CCV08                  | 1   | 2107 | Cr,Cu,Ni,Zn    |
| CCB08          | CCB08                  | 1   | 2112 | Cr,Cu,Ni,Zn    |
| CCV09          | CCV09                  | 1   | 2159 | Cr,Cu,Ni,Zn    |
| CCB09          | CCB09                  | 1   | 2203 | Cr,Cu,Ni,Zn    |
| Q1930-01       | WATER-TREATMENT-DISCH/ | 1   | 2208 | Cr,Cu,Ni,Zn    |
| Q1930-01DUP    | WATER-TREATMENT-DISCH/ | 1   | 2212 | Cr,Cu,Ni,Zn    |
| Q1930-01L      | WATER-TREATMENT-DISCH/ | 5   | 2216 | Cr,Cu,Ni,Zn    |
| Q1930-01MS     | WATER-TREATMENT-DISCH/ | 1   | 2221 | Cr,Cu,Ni,Zn    |
| Q1930-01MSD    | WATER-TREATMENT-DISCH/ | 1   | 2225 | Cr,Cu,Ni,Zn    |
| CCV10          | CCV10                  | 1   | 2233 | Cr,Cu,Ni,Zn    |
| CCB10          | CCB10                  | 1   | 2237 | Cr,Cu,Ni,Zn    |



# METAL PREPARATION & INSTRUMENT DATA



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Contract: VERI01

Lab Code: CHEM

Case No.: Q1930

SAS No.: Q1930

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent )

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |           |           |           |           |
|----------|-------------------------|----------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | Al                                     | Ca        | Fe        | Mg        | Ag        |
| Chromium | 267.716                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper   | 224.700                 | 0.0000000                              | 0.0000000 | 0.0007850 | 0.0000000 | 0.0000000 |
| Nickel   | 231.604                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc     | 213.800                 | 0.0000000                              | 0.0000000 | 0.0001050 | 0.0000000 | 0.0000000 |



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Metals  
- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client:

VERINA CONSULTING GROUP, LLC

Contract:

VERI01

Instrument ID:

SDG No.:

Q1930

Case No.:

Q1930

Date:

Lab Code:

CHEM

SAS No.:

Q1930

Interelement Correction Factors (apparent ppb analyte/ppm interferent )

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | As                                       | Ba        | Be        | Cd        | Co        |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper   | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009530 |
| Nickel   | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc     | 213.800                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Contract: VERI01

Lab Code: CHEM

Case No.: Q1930

SAS No.: Q1930

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent )

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | Cr                                       | Cu        | K         | Mn        | Mo        |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000 |
| Copper   | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0006510 | 0.0020500 |
| Nickel   | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc     | 213.800                 | 0.0000000                                | 0.0009010 | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Contract:** VERI01

**Lab Code:** CHEM

**Case No.:** Q1930

**SAS No.:** Q1930

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|----------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|          |                         | Na                                       | Ni         | Pb        | Sb        | Se        |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper   | 224.700                 | 0.0000000                                | -0.0047000 | 0.0036100 | 0.0000000 | 0.0000000 |
| Nickel   | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc     | 213.800                 | 0.0000000                                | 0.0067600  | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Contract:** VERI01

**Lab Code:** CHEM

**Case No.:** Q1930

**SAS No.:** Q1930

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | Sn                                       | Ti        | Tl        | V         | Zn        |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0001110 | 0.0000000 |
| Copper   | 224.700                 | 0.0000000                                | 0.0003840 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel   | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc     | 213.800                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |



LAB CHRONICLE

|          |                              |            |                          |
|----------|------------------------------|------------|--------------------------|
| OrderID: | Q1930                        | OrderDate: | 5/1/2025 12:36:00 PM     |
| Client:  | VERINA CONSULTING GROUP, LLC | Project:   | Rotor Clip NJ WTD - 2025 |
| Contact: | Michael Valenzi              | Location:  | L41                      |

| LabID    | ClientID                      | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------------------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| Q1930-01 | WATER-TREATMENT-D<br>ISCHARGE | Water  | Metals Group4 | 6010D  | 05/01/25    | 05/05/25  | 05/05/25  | 05/01/25 |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

|                  |                                     |                  |              |
|------------------|-------------------------------------|------------------|--------------|
| <b>Client:</b>   | <u>VERINA CONSULTING GROUP, LLC</u> | <b>SDG No.:</b>  | <u>Q1930</u> |
| <b>Contract:</b> | <u>VERI01</u>                       | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                                     | <b>Method:</b>   | <u></u>      |
|                  |                                     | <b>Case No.:</b> | <u>Q1930</u> |
|                  |                                     | <b>SAS No.:</b>  | <u>Q1930</u> |

| Sample ID                     | Client ID                    | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|------------------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB167858</b> |                              |             |        |            |                         |                          |                |
| PB167858BL                    | PB167858BL                   | MB          | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| PB167858BS                    | PB167858BS                   | LCS         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01                      | WATER-TREATMENT-DISCHARGE    | SAM         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01DUP                   | WATER-TREATMENT-DISCHARGEDUP | DUP         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01MS                    | WATER-TREATMENT-DISCHARGEMS  | MS          | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01MSD                   | WATER-TREATMENT-DISCHARGEMSD | MSD         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

| Sr# | SampleId | ClientID | QcType | Date           | Comment | Operator | Status |
|-----|----------|----------|--------|----------------|---------|----------|--------|
| 1   | S0       | S0       | CAL1   | 05/05/25 13:02 |         | Kareem   | OK     |
| 2   | S1       | S1       | CAL2   | 05/05/25 13:07 |         | Kareem   | OK     |
| 3   | S2       | S2       | CAL3   | 05/05/25 13:11 |         | Kareem   | OK     |
| 4   | S3       | S3       | CAL4   | 05/05/25 13:15 |         | Kareem   | OK     |
| 5   | S4       | S4       | CAL5   | 05/05/25 13:19 |         | Kareem   | OK     |
| 6   | S5       | S5       | CAL6   | 05/05/25 13:24 |         | Kareem   | OK     |
| 7   | ICV01    | ICV01    | ICV    | 05/05/25 14:18 |         | Kareem   | OK     |
| 8   | LLICV01  | LLICV01  | LLICV  | 05/05/25 14:36 |         | Kareem   | OK     |
| 9   | ICB01    | ICB01    | ICB    | 05/05/25 14:41 |         | Kareem   | OK     |
| 10  | CRI01    | CRI01    | CRDL   | 05/05/25 14:47 |         | Kareem   | OK     |
| 11  | ICSA01   | ICSA01   | ICSA   | 05/05/25 14:52 |         | Kareem   | OK     |
| 12  | ICSAB01  | ICSAB01  | ICSAB  | 05/05/25 15:07 |         | Kareem   | OK     |
| 13  | ICSADL   | ICSADL   | ICSA   | 05/05/25 15:11 |         | Kareem   | OK     |
| 14  | ICSABDL  | ICSABDL  | ICSAB  | 05/05/25 15:16 |         | Kareem   | OK     |
| 15  | CCV01    | CCV01    | CCV    | 05/05/25 15:20 |         | Kareem   | OK     |
| 16  | CCB01    | CCB01    | CCB    | 05/05/25 15:26 |         | Kareem   | OK     |
| 17  | Q1916-01 | WC-12    | SAM    | 05/05/25 15:30 |         | Kareem   | OK     |
| 18  | Q1917-01 | MH-JJ    | SAM    | 05/05/25 15:35 |         | Kareem   | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |             |                   |     |                |                                 |        |        |
|----|-------------|-------------------|-----|----------------|---------------------------------|--------|--------|
| 19 | Q1923-01    | TR-05-04302025    | SAM | 05/05/25 15:39 |                                 | Kareem | OK     |
| 20 | Q1923-01DUP | TR-05-04302025DUP | DUP | 05/05/25 15:43 |                                 | Kareem | OK     |
| 21 | Q1923-01L   | TR-05-04302025L   | SD  | 05/05/25 15:47 |                                 | Kareem | OK     |
| 22 | Q1923-01MS  | TR-05-04302025MS  | MS  | 05/05/25 15:51 |                                 | Kareem | OK     |
| 23 | Q1923-01MSD | TR-05-04302025MSD | MSD | 05/05/25 15:55 |                                 | Kareem | OK     |
| 24 | Q1923-01A   | TR-05-04302025A   | PS  | 05/05/25 15:59 |                                 | Kareem | OK     |
| 25 | Q1944-01    | MELTED-RUBBER-S   | SAM | 05/05/25 16:03 |                                 | Kareem | OK     |
| 26 | CCV02       | CCV02             | CCV | 05/05/25 16:07 |                                 | Kareem | OK     |
| 27 | CCB02       | CCB02             | CCB | 05/05/25 16:12 |                                 | Kareem | OK     |
| 28 | Q1865-08    | SOM-25-00051      | SAM | 05/05/25 16:16 |                                 | Kareem | OK     |
| 29 | Q1916-04    | WC-12             | SAM | 05/05/25 16:20 |                                 | Kareem | OK     |
| 30 | Q1906-04    | WC-4              | SAM | 05/05/25 16:25 |                                 | Kareem | OK     |
| 31 | Q1944-02    | CITY-WATER        | SAM | 05/05/25 16:29 |                                 | Kareem | OK     |
| 32 | Q1944-03DL  | CHILLER-WATERDL   | SAM | 05/05/25 16:33 | Straight 5x for all elements    | Kareem | OK     |
| 33 | Q1913-01    | WC-12-S-202504    | SAM | 05/05/25 16:38 |                                 | Kareem | OK     |
| 34 | Q1913-03    | WC-13-S-202504    | SAM | 05/05/25 16:42 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 35 | Q1913-03DUP | WC-13-S-202504DUP | DUP | 05/05/25 16:47 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 36 | Q1913-03L   | WC-13-S-202504L   | SD  | 05/05/25 16:51 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 37 | CCV03       | CCV03             | CCV | 05/05/25 16:56 |                                 | Kareem | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |             |                   |     |                |                                 |        |        |
|----|-------------|-------------------|-----|----------------|---------------------------------|--------|--------|
| 38 | CCB03       | CCB03             | CCB | 05/05/25 17:00 |                                 | Kareem | OK     |
| 39 | Q1913-03MS  | WC-13-S-202504MS  | MS  | 05/05/25 17:04 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 40 | Q1913-03MSD | WC-13-S-202504MSD | MSD | 05/05/25 17:08 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 41 | Q1913-03A   | WC-13-S-202504A   | PS  | 05/05/25 17:13 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 42 | PB167837BL  | PB167837BL        | MB  | 05/05/25 17:17 |                                 | Kareem | OK     |
| 43 | PB167815TB  | PB167815TB        | MB  | 05/05/25 17:31 |                                 | Kareem | OK     |
| 44 | PB167837BS  | PB167837BS        | LCS | 05/05/25 17:36 |                                 | Kareem | OK     |
| 45 | PB167817BL  | PB167817BL        | MB  | 05/05/25 17:41 |                                 | Kareem | OK     |
| 46 | PB167817BS  | PB167817BS        | LCS | 05/05/25 17:46 |                                 | Kareem | OK     |
| 47 | PB167832BL  | PB167832BL        | MB  | 05/05/25 17:51 |                                 | Kareem | OK     |
| 48 | CCV04       | CCV04             | CCV | 05/05/25 17:55 |                                 | Kareem | OK     |
| 49 | CCB04       | CCB04             | CCB | 05/05/25 17:59 |                                 | Kareem | OK     |
| 50 | PB167832BS  | PB167832BS        | LCS | 05/05/25 18:04 |                                 | Kareem | OK     |
| 51 | PB167868BL  | PB167868BL        | MB  | 05/05/25 18:10 |                                 | Kareem | OK     |
| 52 | PB167868BS  | PB167868BS        | LCS | 05/05/25 18:14 |                                 | Kareem | OK     |
| 53 | PB167774TB  | PB167774TB        | MB  | 05/05/25 18:18 |                                 | Kareem | OK     |
| 54 | PB167858BL  | PB167858BL        | MB  | 05/05/25 18:22 |                                 | Kareem | OK     |
| 55 | PB167858BS  | PB167858BS        | LCS | 05/05/25 18:27 |                                 | Kareem | OK     |
| 56 | Q1922-01    | MH-R              | SAM | 05/05/25 18:31 |                                 | Kareem | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |             |                 |     |                |                    |        |        |
|----|-------------|-----------------|-----|----------------|--------------------|--------|--------|
| 57 | Q1922-05    | MH-S            | SAM | 05/05/25 18:35 |                    | Kareem | OK     |
| 58 | Q1928-01    | MH-Q            | SAM | 05/05/25 18:39 |                    | Kareem | OK     |
| 59 | CCV05       | CCV05           | CCV | 05/05/25 18:43 |                    | Kareem | OK     |
| 60 | CCB05       | CCB05           | CCB | 05/05/25 18:47 |                    | Kareem | OK     |
| 61 | Q1932-01    | COMP-4          | SAM | 05/05/25 18:52 | CCV fail for Be,Mg | Kareem | Not Ok |
| 62 | Q1932-03    | COMP-5          | SAM | 05/05/25 18:56 | CCV fail for Be,Mg | Kareem | Not Ok |
| 63 | Q1932-05    | COMP-6          | SAM | 05/05/25 19:00 | CCV fail for Be,Mg | Kareem | Not Ok |
| 64 | Q1932-07    | COMP-7          | SAM | 05/05/25 19:04 | CCV fail for Be,Mg | Kareem | Not Ok |
| 65 | Q1933-01    | OK-01-050125    | SAM | 05/05/25 19:08 | CCV fail for Be,Mg | Kareem | Not Ok |
| 66 | Q1933-01DUP | OK-01-050125DUP | DUP | 05/05/25 19:12 | CCV fail for Be,Mg | Kareem | Not Ok |
| 67 | Q1933-01L   | OK-01-050125L   | SD  | 05/05/25 19:16 | CCV fail for Be,Mg | Kareem | Not Ok |
| 68 | Q1933-01MS  | OK-01-050125MS  | MS  | 05/05/25 19:20 | CCV fail for Be,Mg | Kareem | Not Ok |
| 69 | Q1933-01MSD | OK-01-050125MSD | MSD | 05/05/25 19:24 | CCV fail for Be,Mg | Kareem | Not Ok |
| 70 | Q1933-01A   | OK-01-050125A   | PS  | 05/05/25 19:28 | CCV fail for Be,Mg | Kareem | Not Ok |
| 71 | CCV06       | CCV06           | CCV | 05/05/25 19:32 | CCV fail for Be,Mg | Kareem | OK     |
| 72 | CCB06       | CCB06           | CCB | 05/05/25 19:37 |                    | Kareem | OK     |
| 73 | Q1939-05    | GB3             | SAM | 05/05/25 19:41 | CCV fail for Be,Mg | Kareem | Not Ok |
| 74 | Q1935-01    | MH-NN           | SAM | 05/05/25 19:45 | CCV fail for Be,Mg | Kareem | Not Ok |
| 75 | Q1935-05    | MH-MM           | SAM | 05/05/25 19:49 | CCV fail for Be,Mg | Kareem | Not Ok |
| 76 | Q1939-01    | GB1             | SAM | 05/05/25 19:53 | CCV fail for Be,Mg | Kareem | Not Ok |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |          |             |     |                |                    |        |        |
|----|----------|-------------|-----|----------------|--------------------|--------|--------|
| 77 | Q1939-03 | GB2         | SAM | 05/05/25 19:57 | CCV fail for Be,Mg | Kareem | Not Ok |
| 78 | Q1917-04 | MH-JJ       | SAM | 05/05/25 20:01 |                    | Kareem | OK     |
| 79 | Q1922-04 | MH-R        | SAM | 05/05/25 20:06 |                    | Kareem | OK     |
| 80 | Q1922-08 | MH-S        | SAM | 05/05/25 20:10 |                    | Kareem | OK     |
| 81 | Q1925-01 | AUD-25-0068 | SAM | 05/05/25 20:15 |                    | Kareem | OK     |
| 82 | CCV07    | CCV07       | CCV | 05/05/25 20:19 |                    | Kareem | OK     |
| 83 | CCB07    | CCB07       | CCB | 05/05/25 20:23 |                    | Kareem | OK     |
| 84 | Q1925-02 | AUD-25-0069 | SAM | 05/05/25 20:28 |                    | Kareem | OK     |
| 85 | Q1925-03 | AUD-25-0070 | SAM | 05/05/25 20:32 |                    | Kareem | OK     |
| 86 | Q1928-04 | MH-Q        | SAM | 05/05/25 20:36 |                    | Kareem | OK     |
| 87 | Q1929-03 | WC-A4-02-C  | SAM | 05/05/25 20:41 |                    | Kareem | OK     |
| 88 | Q1929-07 | WC-A1-03-C  | SAM | 05/05/25 20:45 |                    | Kareem | OK     |
| 89 | Q1929-11 | WC-A1-04-C  | SAM | 05/05/25 20:50 |                    | Kareem | OK     |
| 90 | Q1932-02 | COMP-4      | SAM | 05/05/25 20:54 |                    | Kareem | OK     |
| 91 | Q1932-04 | COMP-5      | SAM | 05/05/25 20:59 |                    | Kareem | OK     |
| 92 | Q1932-06 | COMP-6      | SAM | 05/05/25 21:03 |                    | Kareem | OK     |
| 93 | CCV08    | CCV08       | CCV | 05/05/25 21:07 |                    | Kareem | OK     |
| 94 | CCB08    | CCB08       | CCB | 05/05/25 21:12 |                    | Kareem | OK     |
| 95 | Q1932-08 | COMP-7      | SAM | 05/05/25 21:16 |                    | Kareem | OK     |
| 96 | Q1935-04 | MH-NN       | SAM | 05/05/25 21:20 |                    | Kareem | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|     |             |                 |     |                |         |        |          |
|-----|-------------|-----------------|-----|----------------|---------|--------|----------|
| 97  | Q1935-08    | MH-MM           | SAM | 05/05/25 21:25 |         | Kareem | OK       |
| 98  | Q1935-08DUP | MH-MMDUP        | DUP | 05/05/25 21:29 |         | Kareem | OK       |
| 99  | Q1935-08L   | MH-MML          | SD  | 05/05/25 21:34 |         | Kareem | OK       |
| 100 | Q1935-08MS  | MH-MMMS         | MS  | 05/05/25 21:38 |         | Kareem | OK       |
| 101 | Q1935-08MSD | MH-MMMSD        | MSD | 05/05/25 21:42 |         | Kareem | OK       |
| 102 | Q1935-08A   | MH-MMA          | PS  | 05/05/25 21:46 |         | Kareem | OK       |
| 103 | Q1945-01    | GB1W            | SAM | 05/05/25 21:51 | Zn high | Kareem | Dilution |
| 104 | Q1956-07    | FB-05022025     | SAM | 05/05/25 21:55 |         | Kareem | OK       |
| 105 | CCV09       | CCV09           | CCV | 05/05/25 21:59 |         | Kareem | OK       |
| 106 | CCB09       | CCB09           | CCB | 05/05/25 22:03 |         | Kareem | OK       |
| 107 | Q1930-01    | WATER-TREATMENT | SAM | 05/05/25 22:08 |         | Kareem | OK       |
| 108 | Q1930-01DUP | WATER-TREATMENT | DUP | 05/05/25 22:12 |         | Kareem | OK       |
| 109 | Q1930-01L   | WATER-TREATMENT | SD  | 05/05/25 22:16 |         | Kareem | OK       |
| 110 | Q1930-01MS  | WATER-TREATMENT | MS  | 05/05/25 22:21 |         | Kareem | OK       |
| 111 | Q1930-01MSD | WATER-TREATMENT | MSD | 05/05/25 22:25 |         | Kareem | OK       |
| 112 | Q1930-01A   | WATER-TREATMENT | PS  | 05/05/25 22:29 |         | Kareem | OK       |
| 113 | CCV10       | CCV10           | CCV | 05/05/25 22:33 |         | Kareem | OK       |
| 114 | CCB10       | CCB10           | CCB | 05/05/25 22:37 |         | Kareem | OK       |

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 05/05/2025 Time : 11:05 Temp : 96 °C

End Digest Date: 05/05/2025 Time : 14:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| LFS-1         | 0.25     | M6005               |
| LFS-2         | 0.25     | M6016               |
| N/A           | N/A      | N/A                 |
| N/A           | N/A      | N/A                 |
| N/A           | N/A      | N/A                 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---------------|----------------|------------|
| Conc. HNO3    | 3.00           | M6158      |
| 1:1 HCL       | 5.00           | MP85156    |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1CELL#50 96 C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location         |
|----------------|-----------------------------------------|------------------------------|
| 05/05/25 13:10 | <i>[Signature]</i> SPS.met.dig          | <i>[Signature]</i> Metal Lab |
|                | Preparation Group                       | Analysis Group               |

| Lab Sample ID | Client Sample ID                 | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After    | Clarity Before | Clarity After | Comment     | Prep Pos |
|---------------|----------------------------------|----|------------------|----------------|--------------|----------------|----------------|---------------|-------------|----------|
| PB167858BL    | PBW858                           | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 1        |
| PB167858BS    | LCS858                           | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | M6005,M6016 | 2        |
| Q1930-01MS    | WATER-TREATMENT-DISCHA<br>RGEMS  | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | M6005,M6016 | 5        |
| Q1930-01MSD   | WATER-TREATMENT-DISCHA<br>RGEMSD | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | M6005,M6016 | 6        |
| Q1930-01DUP   | WATER-TREATMENT-DISCHA<br>RGEDUP | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 4        |
| Q1930-01      | WATER-TREATMENT-DISCHA<br>RGE    | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 3        |
| Q1944-02      | CITY-WATER                       | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 7        |
| Q1944-03      | CHILLER-WATER                    | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 8        |
| Q1945-01      | GB1W                             | <2 | 50               | 25             | Brown        | light<br>Brown | Clear          | Clear         | N/A         | 9        |
| Q1956-07      | FB-05022025                      | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 10       |



# SAMPLE DATA

## Report of Analysis

|                   |                              |                 |                |
|-------------------|------------------------------|-----------------|----------------|
| Client:           | VERINA CONSULTING GROUP, LLC | Date Collected: | 05/01/25 10:23 |
| Project:          | Rotor Clip NJ WTD - 2025     | Date Received:  | 05/01/25       |
| Client Sample ID: | WATER-TREATMENT-DISCHARGE    | SDG No.:        | Q1930          |
| Lab Sample ID:    | Q1930-01                     | Matrix:         | WATER          |
|                   |                              | % Solid:        | 0              |

| Parameter         | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met.                   |
|-------------------|-------|------|----|-------|------------|-------|----------------|----------------|----------------------------|
| Ammonia as N      | 2.30  | OR   | 1  | 0.030 | 0.10       | mg/L  | 05/05/25 08:45 | 05/05/25 11:55 | SM 4500-NH3<br>B plus G-11 |
| Residual Chlorine | 0.068 | HJ   | 1  | 0.023 | 0.10       | mg/L  |                | 05/01/25 15:40 | SM 4500-Cl<br>G-11         |

Comments: \_\_\_\_\_

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

H = Sample Analysis Out Of Hold Time

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

## Report of Analysis

|                   |                              |                 |                |
|-------------------|------------------------------|-----------------|----------------|
| Client:           | VERINA CONSULTING GROUP, LLC | Date Collected: | 05/01/25 10:23 |
| Project:          | Rotor Clip NJ WTD - 2025     | Date Received:  | 05/01/25       |
| Client Sample ID: | WATER-TREATMENT-DISCHARGEDL  | SDG No.:        | Q1930          |
| Lab Sample ID:    | Q1930-01DL                   | Matrix:         | WATER          |
|                   |                              | % Solid:        | 0              |

| Parameter    | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met.                   |
|--------------|-------|------|----|-------|------------|-------|----------------|----------------|----------------------------|
| Ammonia as N | 2.40  | D    | 2  | 0.060 | 0.20       | mg/L  | 05/05/25 08:45 | 05/05/25 12:36 | SM 4500-NH3<br>B plus G-11 |

Comments:

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

H = Sample Analysis Out Of Hold Time

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



# QC RESULT SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### Initial and Continuing Calibration Verification

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Project:** Rotor Clip NJ WTD - 2025

**RunNo.:** LB135627

| Analyte                                     | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---------------------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV</b><br>Residual Chlorine  | mg/L  | 0.416  | 0.4        | 104        | 90-110                 | 05/01/2025    |
| Sample ID: <b>CCV1</b><br>Residual Chlorine | mg/L  | 0.406  | 0.4        | 102        | 90-110                 | 05/01/2025    |
| Sample ID: <b>CCV2</b><br>Residual Chlorine | mg/L  | 0.395  | 0.4        | 99         | 90-110                 | 05/01/2025    |

## Initial and Continuing Calibration Verification

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Project:** Rotor Clip NJ WTD - 2025

**RunNo.:** LB135665

| Analyte                                | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|----------------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV1</b><br>Ammonia as N | mg/L  | 0.95   | 1          | 95         | 90-110                 | 05/05/2025    |
| Sample ID: <b>CCV1</b><br>Ammonia as N | mg/L  | 0.96   | 1          | 96         | 90-110                 | 05/05/2025    |
| Sample ID: <b>CCV2</b><br>Ammonia as N | mg/L  | 0.98   | 1          | 98         | 90-110                 | 05/05/2025    |
| Sample ID: <b>CCV3</b><br>Ammonia as N | mg/L  | 0.99   | 1          | 99         | 90-110                 | 05/05/2025    |
| Sample ID: <b>CCV4</b><br>Ammonia as N | mg/L  | 0.98   | 1          | 98         | 90-110                 | 05/05/2025    |

### Initial and Continuing Calibration Verification

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Project:** Rotor Clip NJ WTD - 2025

**RunNo.:** LB135665

| Analyte | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|---------|-------|--------|------------|---------------|---------------------------|------------------|
|---------|-------|--------|------------|---------------|---------------------------|------------------|



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

### Initial and Continuing Calibration Blank Summary

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Project:** Rotor Clip NJ WTD - 2025

**RunNo.:** LB135627

| Analyte                                     | Units | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL   | RDL | Analysis<br>Date |
|---------------------------------------------|-------|----------|----------------------|--------------|-------|-----|------------------|
| Sample ID: <b>ICB</b><br>Residual Chlorine  | mg/L  | < 0.0500 | 0.0500               | U            | 0.023 | 0.1 | 05/01/2025       |
| Sample ID: <b>CCB1</b><br>Residual Chlorine | mg/L  | < 0.0500 | 0.0500               | U            | 0.023 | 0.1 | 05/01/2025       |
| Sample ID: <b>CCB2</b><br>Residual Chlorine | mg/L  | < 0.0500 | 0.0500               | U            | 0.023 | 0.1 | 05/01/2025       |

### Initial and Continuing Calibration Blank Summary

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Project:** Rotor Clip NJ WTD - 2025

**RunNo.:** LB135665

| Analyte                                | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|----------------------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| Sample ID: <b>ICB1</b><br>Ammonia as N | mg/L  | 0.034    | 0.0500            | J         | 0.030 | 0.1 | 05/05/2025    |
| Sample ID: <b>CCB1</b><br>Ammonia as N | mg/L  | 0.036    | 0.0500            | J         | 0.030 | 0.1 | 05/05/2025    |
| Sample ID: <b>CCB2</b><br>Ammonia as N | mg/L  | 0.039    | 0.0500            | J         | 0.030 | 0.1 | 05/05/2025    |
| Sample ID: <b>CCB3</b><br>Ammonia as N | mg/L  | 0.043    | 0.0500            | J         | 0.030 | 0.1 | 05/05/2025    |
| Sample ID: <b>CCB4</b><br>Ammonia as N | mg/L  | < 0.0500 | 0.0500            | U         | 0.030 | 0.1 | 05/05/2025    |

## Preparation Blank Summary

**Client:** VERINA CONSULTING GROUP, LLC

**SDG No.:** Q1930

**Project:** Rotor Clip NJ WTD - 2025

| Analyte                      | Units | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL   | RDL | Analysis<br>Date |
|------------------------------|-------|----------|----------------------|--------------|-------|-----|------------------|
| Sample ID: <b>LB135627BL</b> |       |          |                      |              |       |     |                  |
| Residual Chlorine            | mg/L  | < 0.0500 | 0.0500               | U            | 0.023 | 0.1 | 05/01/2025       |
| Sample ID: <b>PB167844BL</b> |       |          |                      |              |       |     |                  |
| Ammonia as N                 | mg/L  | 0.038    | 0.0500               | J            | 0.03  | 0.1 | 05/05/2025       |

## Matrix Spike Summary

|                   |                              |                                         |          |
|-------------------|------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | VERINA CONSULTING GROUP, LLC | <b>SDG No.:</b>                         | Q1930    |
| <b>Project:</b>   | Rotor Clip NJ WTD - 2025     | <b>Sample ID:</b>                       | Q1930-01 |
| <b>Client ID:</b> | WATER-TREATMENT-DISCHARGEMS  | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Ammonia as N      | mg/L  | 75-125                 | 2.90             | OR                 | 2.30             | OR                 | 1              | 1                  | 60       | *    | 05/05/2025       |
| Residual Chlorine | mg/L  | 71-148                 | 0.41             |                    | 0.068            | J                  | 0.4            | 1                  | 84       |      | 05/01/2025       |

## Matrix Spike Summary

|                   |                              |                                         |          |
|-------------------|------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | VERINA CONSULTING GROUP, LLC | <b>SDG No.:</b>                         | Q1930    |
| <b>Project:</b>   | Rotor Clip NJ WTD - 2025     | <b>Sample ID:</b>                       | Q1930-01 |
| <b>Client ID:</b> | WATER-TREATMENT-DISCHARGEMSD | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|-------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Ammonia as N      | mg/L  | 75-125                 | 3.20             | OR                 | 2.30             | OR                 | 1              | 1                  | 90       |      | 05/05/2025       |
| Residual Chlorine | mg/L  | 71-148                 | 0.39             |                    | 0.068            | J                  | 0.4            | 1                  | 79       |      | 05/01/2025       |

## Duplicate Sample Summary

|                   |                              |                                         |          |
|-------------------|------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | VERINA CONSULTING GROUP, LLC | <b>SDG No.:</b>                         | Q1930    |
| <b>Project:</b>   | Rotor Clip NJ WTD - 2025     | <b>Sample ID:</b>                       | Q1930-01 |
| <b>Client ID:</b> | WATER-TREATMENT-DISCHARGEDUP | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|-------------------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Residual Chlorine | mg/L  | +/-20               | 0.068            | J                  | 0.068               | J                  | 1                  | 0          |      | 05/01/2025       |
| Ammonia as N      | mg/L  | +/-20               | 2.30             | OR                 | 2.20                | OR                 | 1                  | 4          |      | 05/05/2025       |

### Duplicate Sample Summary

|                   |                                |                                         |          |
|-------------------|--------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | VERINA CONSULTING GROUP, LLC   | <b>SDG No.:</b>                         | Q1930    |
| <b>Project:</b>   | Rotor Clip NJ WTD - 2025       | <b>Sample ID:</b>                       | Q1930-01 |
| <b>Client ID:</b> | WATER-TREATMENT-DISCHARGEDUPDL | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte      | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|--------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Ammonia as N | mg/L  | +/-20            | 2.40          | D               | 2.50             | D               | 2               | 4      |      | 05/05/2025    |

## Duplicate Sample Summary

|                   |                              |                                         |          |
|-------------------|------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | VERINA CONSULTING GROUP, LLC | <b>SDG No.:</b>                         | Q1930    |
| <b>Project:</b>   | Rotor Clip NJ WTD - 2025     | <b>Sample ID:</b>                       | Q1930-01 |
| <b>Client ID:</b> | WATER-TREATMENT-DISCHARGEMSD | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte           | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|-------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Residual Chlorine | mg/L  | +/-20            | 0.41          |                 | 0.39             |                 | 1               | 5.31   |      | 05/01/2025    |
| Ammonia as N      | mg/L  | +/-20            | 2.90          | OR              | 3.20             | OR              | 1               | 10     |      | 05/05/2025    |

### Laboratory Control Sample Summary

|                 |                              |                 |          |
|-----------------|------------------------------|-----------------|----------|
| <b>Client:</b>  | VERINA CONSULTING GROUP, LLC | <b>SDG No.:</b> | Q1930    |
| <b>Project:</b> | Rotor Clip NJ WTD - 2025     | <b>Run No.:</b> | LB135627 |

| Analyte           | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-------------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID         | LB135627BS |            |        |                 |            |                 |                     |               |
| Residual Chlorine | mg/L       | 0.4        | 0.37   |                 | 91         | 1               | 90-110              | 05/01/2025    |

### Laboratory Control Sample Summary

|                 |                              |                 |          |
|-----------------|------------------------------|-----------------|----------|
| <b>Client:</b>  | VERINA CONSULTING GROUP, LLC | <b>SDG No.:</b> | Q1930    |
| <b>Project:</b> | Rotor Clip NJ WTD - 2025     | <b>Run No.:</b> | LB135665 |

| Analyte      | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|--------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID    | PB167844BS |            |        |                 |            |                 |                     |               |
| Ammonia as N | mg/L       | 1          | 0.96   |                 | 96         | 1               | 90-110              | 05/05/2025    |

Instrument ID: SPECTROPHOTOMETER-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135627**

|                  |                                                                      |              |                      |
|------------------|----------------------------------------------------------------------|--------------|----------------------|
| Review By        | Iwona                                                                | Review On    | 5/6/2025 10:37:19 AM |
| Supervise By     | jignesh                                                              | Supervise On | 5/6/2025 10:37:59 AM |
| SubDirectory     | LB135627                                                             | Test         | Residual Chlorine    |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                     |              |                      |
| ICAL Standard    | N/A                                                                  |              |                      |
| ICV Standard     | N/A                                                                  |              |                      |
| CCV Standard     | N/A                                                                  |              |                      |
| ICSA Standard    | N/A                                                                  |              |                      |
| CRI Standard     | N/A                                                                  |              |                      |
| LCS Standard     | N/A                                                                  |              |                      |
| Chk Standard     | WP112912,WP112907,WP112908,WP112910,WP112906,WP112911,WP112909,W3145 |              |                      |

| Sr# | SampleId    | ClientID        | QcType | Date           | Comment | Operator | Status |
|-----|-------------|-----------------|--------|----------------|---------|----------|--------|
| 1   | CAL1        | CAL1            | CAL    | 05/01/25 15:00 |         | Iwona    | OK     |
| 2   | CAL2        | CAL2            | CAL    | 05/01/25 15:04 |         | Iwona    | OK     |
| 3   | CAL3        | CAL3            | CAL    | 05/01/25 15:07 |         | Iwona    | OK     |
| 4   | CAL4        | CAL4            | CAL    | 05/01/25 15:10 |         | Iwona    | OK     |
| 5   | CAL5        | CAL5            | CAL    | 05/01/25 15:13 |         | Iwona    | OK     |
| 6   | CAL6        | CAL6            | CAL    | 05/01/25 15:16 |         | Iwona    | OK     |
| 7   | ICV         | ICV             | ICV    | 05/01/25 15:20 |         | Iwona    | OK     |
| 8   | ICB         | ICB             | ICB    | 05/01/25 15:23 |         | Iwona    | OK     |
| 9   | CCV1        | CCV1            | CCV    | 05/01/25 15:27 |         | Iwona    | OK     |
| 10  | CCB1        | CCB1            | CCB    | 05/01/25 15:30 |         | Iwona    | OK     |
| 11  | LB135627BL  | LB135627BL      | MB     | 05/01/25 15:33 |         | Iwona    | OK     |
| 12  | LB135627BS  | LB135627BS      | LCS    | 05/01/25 15:37 |         | Iwona    | OK     |
| 13  | Q1930-01    | WATER-TREATMENT | SAM    | 05/01/25 15:40 |         | Iwona    | OK     |
| 14  | Q1930-01DUP | WATER-TREATMENT | DUP    | 05/01/25 15:43 |         | Iwona    | OK     |
| 15  | Q1930-01MS  | WATER-TREATMENT | MS     | 05/01/25 15:47 |         | Iwona    | OK     |
| 16  | Q1930-01MSD | WATER-TREATMENT | MSD    | 05/01/25 15:50 |         | Iwona    | OK     |
| 17  | CCV2        | CCV2            | CCV    | 05/01/25 15:53 |         | Iwona    | OK     |
| 18  | CCB2        | CCB2            | CCB    | 05/01/25 15:56 |         | Iwona    | OK     |

Instrument ID: KONELAB

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135665**

|                  |                                     |              |                     |
|------------------|-------------------------------------|--------------|---------------------|
| Review By        | rubina                              | Review On    | 5/5/2025 2:45:01 PM |
| Supervise By     | Iwona                               | Supervise On | 5/5/2025 4:40:09 PM |
| SubDirectory     | LB135665                            | Test         | Ammonia             |
| <b>STD. NAME</b> | <b>STD REF.#</b>                    |              |                     |
| ICAL Standard    | WP112946                            |              |                     |
| ICV Standard     | WP112948                            |              |                     |
| CCV Standard     | WP112947                            |              |                     |
| ICSA Standard    | N/A                                 |              |                     |
| CRI Standard     | N/A                                 |              |                     |
| LCS Standard     | WP112614                            |              |                     |
| Chk Standard     | WP112897,WP111745,WP111385,WP111660 |              |                     |

| Sr# | SampleId    | ClientID        | QcType | Date           | Comment     | Operator | Status   |
|-----|-------------|-----------------|--------|----------------|-------------|----------|----------|
| 1   | 0.0PPM      | 0.0PPM          | CAL1   | 05/05/25 10:36 |             | rubina   | OK       |
| 2   | 0.1PPM      | 0.1PPM          | CAL2   | 05/05/25 10:36 |             | rubina   | OK       |
| 3   | 0.2PPM      | 0.2PPM          | CAL3   | 05/05/25 10:36 |             | rubina   | OK       |
| 4   | 0.4PPM      | 0.4PPM          | CAL4   | 05/05/25 10:36 |             | rubina   | OK       |
| 5   | 1.0PPM      | 1.0PPM          | CAL5   | 05/05/25 10:36 |             | rubina   | OK       |
| 6   | 1.3PPM      | 1.3PPM          | CAL6   | 05/05/25 10:36 |             | rubina   | OK       |
| 7   | 2.0PPM      | 2.0PPM          | CAL7   | 05/05/25 10:36 |             | rubina   | OK       |
| 8   | ICV1        | ICV1            | ICV    | 05/05/25 11:44 |             | rubina   | OK       |
| 9   | ICB1        | ICB1            | ICB    | 05/05/25 11:44 |             | rubina   | OK       |
| 10  | CCV1        | CCV1            | CCV    | 05/05/25 11:44 |             | rubina   | OK       |
| 11  | CCB1        | CCB1            | CCB    | 05/05/25 11:44 |             | rubina   | OK       |
| 12  | RL          | RL              | SAM    | 05/05/25 11:45 |             | rubina   | OK       |
| 13  | PB167844BL  | PB167844BL      | MB     | 05/05/25 11:55 |             | rubina   | OK       |
| 14  | PB167844BS  | PB167844BS      | LCS    | 05/05/25 11:55 |             | rubina   | OK       |
| 15  | Q1930-01    | WATER-TREATMENT | SAM    | 05/05/25 11:55 | NH3 is High | rubina   | Dilution |
| 16  | Q1930-01DUP | WATER-TREATMENT | DUP    | 05/05/25 11:55 | NH3 is High | rubina   | Dilution |
| 17  | Q1930-01MS  | WATER-TREATMENT | MS     | 05/05/25 11:55 |             | rubina   | OK       |
| 18  | Q1930-01MSD | WATER-TREATMENT | MSD    | 05/05/25 11:55 |             | rubina   | OK       |

Instrument ID: KONELAB

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135665**

| Review By     | rubina                              | Review On    | 5/5/2025 2:45:01 PM |
|---------------|-------------------------------------|--------------|---------------------|
| Supervise By  | Iwona                               | Supervise On | 5/5/2025 4:40:09 PM |
| SubDirectory  | LB135665                            | Test         | Ammonia             |
| STD. NAME     | STD REF.#                           |              |                     |
| ICAL Standard | WP112946                            |              |                     |
| ICV Standard  | WP112948                            |              |                     |
| CCV Standard  | WP112947                            |              |                     |
| ICSA Standard | N/A                                 |              |                     |
| CRI Standard  | N/A                                 |              |                     |
| LCS Standard  | WP112614                            |              |                     |
| Chk Standard  | WP112897,WP111745,WP111385,WP111660 |              |                     |

|    |               |                    |     |                |             |        |          |
|----|---------------|--------------------|-----|----------------|-------------|--------|----------|
| 19 | Q1934-01      | 001-WILLETS-PT-BLV | SAM | 05/05/25 12:06 |             | rubina | OK       |
| 20 | Q1934-02      | 002-35TH-AVE(APR)  | SAM | 05/05/25 12:06 |             | rubina | OK       |
| 21 | Q1941-01      | EFFLUENT           | SAM | 05/05/25 12:06 | NH3 is High | rubina | Dilution |
| 22 | CCV2          | CCV2               | CCV | 05/05/25 12:06 |             | rubina | OK       |
| 23 | CCB2          | CCB2               | CCB | 05/05/25 12:06 |             | rubina | OK       |
| 24 | Q1944-02      | CITY-WATER         | SAM | 05/05/25 12:06 |             | rubina | OK       |
| 25 | Q1944-03      | CHILLER-WATER      | SAM | 05/05/25 12:06 |             | rubina | OK       |
| 26 | Q1949-01      | 001-WILLETS-PT-BLV | SAM | 05/05/25 12:06 |             | rubina | OK       |
| 27 | Q1949-04      | 002-35TH-AVE(MAY)  | SAM | 05/05/25 12:06 |             | rubina | OK       |
| 28 | CCV3          | CCV3               | CCV | 05/05/25 12:06 |             | rubina | OK       |
| 29 | CCB3          | CCB3               | CCB | 05/05/25 12:11 |             | rubina | OK       |
| 30 | Q1930-01DL    | WATER-TREATMENT    | SAM | 05/05/25 12:36 | 2x For NH3  | rubina | Confirms |
| 31 | Q1930-01DUPDL | WATER-TREATMENT    | DUP | 05/05/25 12:36 | 2x For NH3  | rubina | Confirms |
| 32 | Q1941-01DL    | EFFLUENTDL         | SAM | 05/05/25 12:36 | 10X For NH3 | rubina | Confirms |
| 33 | CCV4          | CCV4               | CCV | 05/05/25 12:36 |             | rubina | OK       |
| 34 | CCB4          | CCB4               | CCB | 05/05/25 12:36 |             | rubina | OK       |

LAB CHRONICLE

|          |                              |            |                          |
|----------|------------------------------|------------|--------------------------|
| OrderID: | Q1930                        | OrderDate: | 5/1/2025 12:36:00 PM     |
| Client:  | VERINA CONSULTING GROUP, LLC | Project:   | Rotor Clip NJ WTD - 2025 |
| Contact: | Michael Valenzi              | Location:  | L41                      |

| LabID      | ClientID                        | Matrix | Test              | Method      | Sample Date       | Prep Date | Anal Date         | Received |
|------------|---------------------------------|--------|-------------------|-------------|-------------------|-----------|-------------------|----------|
| Q1930-01   | WATER-TREATMENT-D<br>ISCHARGE   | WATER  |                   |             | 05/01/25<br>10:23 |           |                   | 05/01/25 |
|            |                                 |        | Ammonia           | SM4500-NH3  |                   | 05/05/25  | 05/05/25<br>11:55 |          |
|            |                                 |        | Residual Chlorine | SM4500 Cl G |                   |           | 05/01/25<br>15:40 |          |
| Q1930-01DL | WATER-TREATMENT-D<br>ISCHARGEDL | WATER  |                   |             | 05/01/25<br>10:23 |           |                   | 05/01/25 |
|            |                                 |        | Ammonia           | SM4500-NH3  |                   | 05/05/25  | 05/05/25<br>12:36 |          |

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Matrix : WATER

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

Start Digest Date: 05/05/2025 Time : 08:45 Temp : 150 °C

End Digest Date: 05/05/2025 Time : 09:45 Temp : 160 °C

D batch 05/05/2025 10:05 150 °C  
05/05/2025 11:05 160 °C RH

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: RH

pH Meter ID : N/A

Supervisor Signature: 12

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSW              | 1.0ML    | WP112614            |
| MS/MSD SPIKE SOL. | 1.0ML    | WP112613            |
| PBW               | 50.0ML   | W3112               |
| RL CHECK          | 0.1ML    | WP112613            |
| N/A               | N/A      | N/A                 |

| Chemical Used    | ML/SAMPLE USED | Lot Number |
|------------------|----------------|------------|
| BORATE BUFFER    | 2.5ML          | WP111325   |
| NAOH 6N          | 1.0ML-5.0ML    | WP111318   |
| H2SO4 0.04N      | 5.0ML          | WP112828   |
| pH strip-Ammonia | N/A            | W3133      |
| KI-starch paper  | N/A            | W3155      |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP111604. Due to bad matrix and client history 1ML was taken as an initial volume for Q1941-01

| Date / Time      | Prepped Sample Relinquished By/Location | Received By/Location |
|------------------|-----------------------------------------|----------------------|
| 05/05/2025 11:30 | RH (WC)                                 | RH (WC)              |
|                  | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID              | Initial Vol (ml) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment                        | Prep Pos |
|---------------|-------------------------------|------------------|----------------|----|---------|-----------|------------------|--------------------------------|----------|
| PB167844BL    | PB167844BL                    | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| PB167844BS    | LCS844                        | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1930-01DUP   | WATER-TREATMENT-DISCHAR GEDUP | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1930-01MS    | WATER-TREATMENT-DISCHAR GEMS  | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1930-01MSD   | WATER-TREATMENT-DISCHAR GEMSD | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1930-01      | WATER-TREATMENT-DISCHAR GE    | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1934-01      | 001-WILLETS-PT-BLVD(APR)      | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1934-02      | 002-35TH-AVE(APR)             | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1941-01      | EFFLUENT                      | 1                | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1944-02      | CITY-WATER                    | 50               | 50             | <2 | N/A     | Negative  | N/A              | AFTER ADDING 6N NAOH PH IS 9.5 | N/A      |
| Q1944-03      | CHILLER-WATER                 | 50               | 50             | <2 | N/A     | Negative  | N/A              | PH AFTER ADDING DIST BUFFER>11 | N/A      |
| Q1949-01      | 001-WILLETS-PT-BLVD(MAY)      | 50               | 50             | <2 | N/A     | Negative  | N/A              | PH AFTER ADDING DIST BUFFER>11 | N/A      |
| Q1949-04      | 002-35TH-AVE(MAY)             | 50               | 50             | <2 | N/A     | Negative  | N/A              | PH AFTER ADDING DIST BUFFER>11 | N/A      |