

## Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135850

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP113153  |
| Calibration Std. hexchrome 0.05 ppm      | WP113152  |
| calibration std. hexchrome 0.01 ppm      | WP113150  |
| calibration std. hexchrome 0 ppm         | WP113149  |
| hexavalent chromium color reagent        | WP113083  |
| 5N sulfuric acid                         | WP112831  |
| HNO3 Hex-Chrome, 5M                      | WP112830  |
| Calibration Std Hexachrome 0.025 ppm     | WP113151  |
| Hexavalent Chromium ICV-LCS Std          | WP113156  |
| Calibration and CCV std HexChrome 0.5PPM | WP113154  |
| Calibration std HexChrome 1.0PPM         | WP113155  |

Intercept: 0.0004

Slope: 0.7837

Regression: 0.999997

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at 540nm |       | Absorbance Difference | Result (mg/L) | %D   | Anal Date  | Anal Time |
|-----|--------|-------------------|----|------------------|----------------|---------|----------|-----------------|-------|-----------------------|---------------|------|------------|-----------|
|     |        |                   |    |                  |                |         |          | Backgrnd        | Color |                       |               |      |            |           |
| 1   | CAL1   | 0                 | 1  | 100              | 100            |         | 1.73     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 05/20/2025 | 17:10     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.008 | 0.008                 | 0.009         | -10  | 05/20/2025 | 17:10     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.94     | 0.000           | 0.019 | 0.019                 | 0.023         | -8   | 05/20/2025 | 17:11     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.96     | 0.000           | 0.040 | 0.040                 | 0.050         | 0    | 05/20/2025 | 17:11     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.94     | 0.000           | 0.080 | 0.080                 | 0.101         | 1    | 05/20/2025 | 17:12     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.92     | 0.000           | 0.392 | 0.392                 | 0.499         | -0.2 | 05/20/2025 | 17:12     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.784 | 0.784                 | 0.999         | -0.1 | 05/20/2025 | 17:13     |

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Analysis Method: 7196A

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135850

pH Meter ID: WC pH Meter-1

| Seq | Lab ID     | True Value | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HNO3 | pH H2SO4 | Absorb.at540nm |       | Absorbance Difference | Intermediate Result (mg/L) | Anal Date  | Anal Time |
|-----|------------|------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|----------------------------|------------|-----------|
|     |            |            |    |                     |                |         |          | Backgrnd       | Color |                       |                            |            |           |
| 1   | ICV        | 0.5        | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.394 | 0.394                 | 0.502                      | 05/20/2025 | 17:13     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.82     | 0.000          | 0.001 | 0.001                 | 0.001                      | 05/20/2025 | 17:14     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.390 | 0.390                 | 0.497                      | 05/20/2025 | 17:14     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.77     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/20/2025 | 17:15     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.010 | 0.010                 | 0.012                      | 05/20/2025 | 17:15     |
| 6   | LB135850BL |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.001 | 0.001                 | 0.001                      | 05/20/2025 | 17:16     |
| 7   | LB135850BS | 0.5        | 1  | 100                 | 100            |         | 1.94     | 0.000          | 0.391 | 0.391                 | 0.498                      | 05/20/2025 | 17:16     |
| 8   | Q2093-14   |            | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/20/2025 | 17:17     |
| 9   | Q2093-14DU |            | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/20/2025 | 17:17     |
| 10  | Q2093-14MS | 1          | 2  | 100                 | 100            |         | 2.06     | 0.000          | 0.379 | 0.379                 | 0.483                      | 05/20/2025 | 17:18     |
| 11  | Q2093-14MS | 1          | 2  | 100                 | 100            |         | 2.06     | 0.000          | 0.381 | 0.381                 | 0.486                      | 05/20/2025 | 17:18     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.394 | 0.394                 | 0.502                      | 05/20/2025 | 17:19     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/20/2025 | 17:19     |

# WORKLIST(Hardcopy Internal Chain)

6135850

WorkList Name : HEX-WATER-5-20

WorkList ID : 189650

Department : Wet-Chemistry

Date : 05-20-2025 16:11:24

| Sample   | Customer Sample | Matrix | Test                | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------------|-------------------------|----------|-----------------------------|--------------|--------|
| Q2093-14 | WATER-COMP      | Water  | Hexavalent Chromium | Ammonium sulfate buffer | PSEG03   | L41                         | 05/20/2025   | 7196A  |

Date/Time 05/20/2025 16.30  
 Raw Sample Received by: RM (wc)  
 Raw Sample Relinquished by: JP (wc)

Date/Time 05/20/2025 17.15  
 Raw Sample Received by: JP (wc)  
 Raw Sample Relinquished by: RM (wc)