

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135720

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP113014  |
| Calibration Std. hexchrome 0.05 ppm      | WP113013  |
| calibration std. hexchrome 0.01 ppm      | WP113011  |
| calibration std. hexchrome 0 ppm         | WP113010  |
| hexavalent chromium color reagent        | WP112959  |
| 0.2N SULFURIC ACID                       | WP111959  |
| Calibration Std Hexachrome 0.025 ppm     | WP113012  |
| Hexavalent Chromium ICV-LCS Std          | WP113017  |
| Calibration and CCV std HexChrome 0.5PPM | WP113015  |
| Calibration std HexChrome 1.0PPM         | WP113016  |

Intercept: -0

Slope: 0.7793

Regression: 0.999993

| 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            |         | 1.82     | 0.000           | 0.000 | 0.000                 | 0             |      | 05/09/2025 | 16:45     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.93     | 0.000           | 0.009 | 0.009                 | 0.011         | 10   | 05/09/2025 | 16:45     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.019 | 0.019                 | 0.024         | -4   | 05/09/2025 | 16:46     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.87     | 0.000           | 0.038 | 0.038                 | 0.048         | -4   | 05/09/2025 | 16:46     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.89     | 0.000           | 0.079 | 0.079                 | 0.101         | 1    | 05/09/2025 | 16:47     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.96     | 0.000           | 0.388 | 0.388                 | 0.497         | -0.6 | 05/09/2025 | 16:47     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.780 | 0.780                 | 1.000         | 0    | 05/09/2025 | 16:48     |

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Run Number: LB135720

pH Meter ID: WC pH Meter-1

| Seq | Lab ID     | True Value | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at540nm |       | Absorbance Difference | Intermediate Result (mg/L) | Anal Date  | Anal Time |
|-----|------------|------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|----------------------------|------------|-----------|
|     |            |            |    |                     |                |         |          | Backgrnd       | Color |                       |                            |            |           |
| 1   | ICV        | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.388 | 0.388                 | 0.498                      | 05/09/2025 | 16:48     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.76     | 0.000          | 0.000 | 0.000                 | 0.000                      | 05/09/2025 | 16:49     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.99     | 0.000          | 0.390 | 0.390                 | 0.500                      | 05/09/2025 | 16:49     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.84     | 0.000          | 0.000 | 0.000                 | 0.000                      | 05/09/2025 | 16:50     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.009 | 0.009                 | 0.012                      | 05/09/2025 | 16:50     |
| 6   | LB135720BL |            | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.000 | 0.000                 | 0.000                      | 05/09/2025 | 16:51     |
| 7   | LB135720BS | 0.5        | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.391 | 0.391                 | 0.502                      | 05/09/2025 | 16:51     |
| 8   | Q2005-01   |            | 1  | 100                 | 100            |         | 2.11     | 0.000          | 0.000 | 0.000                 | 0.000                      | 05/09/2025 | 16:52     |
| 9   | Q2005-01DU |            | 1  | 100                 | 100            |         | 2.09     | 0.000          | 0.000 | 0.000                 | 0.000                      | 05/09/2025 | 16:52     |
| 10  | Q2005-01MS | 1          | 2  | 100                 | 100            |         | 2.15     | 0.000          | 0.369 | 0.369                 | 0.474                      | 05/09/2025 | 16:53     |
| 11  | Q2005-01MS | 1          | 2  | 100                 | 100            |         | 2.10     | 0.000          | 0.367 | 0.367                 | 0.471                      | 05/09/2025 | 16:53     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.390 | 0.390                 | 0.500                      | 05/09/2025 | 16:54     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 0.000                      | 05/09/2025 | 16:54     |

# WORKLIST(Hardcopy Internal Chain)

06135720

WorkList Name : hex-5-09

WorkList ID : 189422

Department : Wet-Chemistry

Date : 05-09-2025 14:45:20

| Sample   | Customer Sample | Matrix | Test                | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method      |
|----------|-----------------|--------|---------------------|-------------------------|----------|-----------------------------|--------------|-------------|
| Q2005-01 | 252806          | Water  | Hexavalent Chromium | Ammonium sulfate buffer | PSEG03   | L41                         | 05/09/2025   | SM3500-Cr B |

Date/Time 05/09/2025 15:00  
 Raw Sample Received by: RM  
 Raw Sample Relinquished by: RM

Date/Time 05/09/2025 16:20  
 Raw Sample Received by: RM  
 Raw Sample Relinquished by: RM