

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134819

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP112070  |
| Calibration Std. hexchrome 0.05 ppm      | WP112069  |
| calibration std. hexchrome 0.01 ppm      | WP112067  |
| calibration std. hexchrome 0 ppm         | WP112066  |
| hexavalent chromium color reagent        | WP112061  |
| 0.2N SULFURIC ACID                       | WP111959  |
| HEX LOD STD, 0.005PPM                    | WP112074  |
| Calibration Std Hexachrome 0.025 ppm     | WP112068  |
| Hexavalent Chromium ICV-LCS Std          | WP112073  |
| Calibration and CCV std HexChrome 0.5PPM | WP112071  |
| Calibration std HexChrome 1.0PPM         | WP112072  |

Intercept: -0.0002

Slope: 0.7819

Regression: 0.999994

| 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            |         | 1.86     | 0.000           | 0.000 | 0.000                 | 0.000         |      | 02/27/2025 | 08:50     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.95     | 0.000           | 0.009 | 0.009                 | 0.011         | 10   | 02/27/2025 | 08:51     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.93     | 0.000           | 0.018 | 0.018                 | 0.023         | -8   | 02/27/2025 | 08:52     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.038 | 0.038                 | 0.048         | -4   | 02/27/2025 | 08:53     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.96     | 0.000           | 0.079 | 0.079                 | 0.101         | 1    | 02/27/2025 | 08:54     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.390 | 0.390                 | 0.499         | -0.2 | 02/27/2025 | 08:55     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.782 | 0.782                 | 1.000         | 0    | 02/27/2025 | 08:56     |

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Run Number: LB134819

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            |         | 1.96     | 0.000          | 0.392 | 0.392                 | 0.502                      | 02/27/2025 | 08:57     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.84     | 0.000          | 0.000 | 0.000                 | 0.000                      | 02/27/2025 | 08:58     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.390 | 0.390                 | 0.499                      | 02/27/2025 | 08:59     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.81     | 0.000          | 0.000 | 0.000                 | 0.000                      | 02/27/2025 | 09:00     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.97     | 0.000          | 0.009 | 0.009                 | 0.012                      | 02/27/2025 | 09:01     |
| 6   | LB134819BL |            | 1  | 100                 | 100            |         | 1.84     | 0.000          | 0.000 | 0.000                 | 0.000                      | 02/27/2025 | 09:02     |
| 7   | LB134819BS | 0.5        | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.402 | 0.402                 | 0.514                      | 02/27/2025 | 09:03     |
| 8   | Q1168-12   |            | 1  | 100                 | 100            |         | 2.00     | 0.000          | 0.004 | 0.004                 | 0.005                      | 02/27/2025 | 09:04     |
| 9   | Q1435-01   |            | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.010 | 0.010                 | 0.013                      | 02/27/2025 | 09:05     |
| 10  | Q1435-01DU |            | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.010 | 0.010                 | 0.013                      | 02/27/2025 | 09:06     |
| 11  | Q1435-01MS | 1          | 2  | 100                 | 100            |         | 2.06     | 0.000          | 0.382 | 0.382                 | 0.489                      | 02/27/2025 | 09:07     |
| 12  | Q1435-01MS | 1          | 2  | 100                 | 100            |         | 2.10     | 0.000          | 0.381 | 0.381                 | 0.488                      | 02/27/2025 | 09:08     |
| 13  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.391 | 0.391                 | 0.500                      | 02/27/2025 | 09:09     |
| 14  | CCB2       |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | 0.000                      | 02/27/2025 | 09:10     |