

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135651

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP112869  |
| 5N sulfuric acid                  | WP112831  |
| HNO3 Hex-Chrome, 5M               | WP112830  |
| Hexchrome Cleaning Solution       | WP111249  |

Intercept: 0.0009

Slope: 0.7659

Regression: 0.999982

| 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            | 7.27    | 1.85     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 05/02/2025 | 13:10     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.36    | 1.89     | 0.000           | 0.008 | 0.008                 | 0.009         | -10  | 05/02/2025 | 13:11     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.42    | 1.90     | 0.000           | 0.021 | 0.021                 | 0.026         | 4    | 05/02/2025 | 13:12     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.45    | 1.93     | 0.000           | 0.039 | 0.039                 | 0.049         | -2   | 05/02/2025 | 13:13     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.40    | 1.88     | 0.000           | 0.080 | 0.080                 | 0.103         | 3    | 05/02/2025 | 13:14     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.38    | 1.85     | 0.000           | 0.381 | 0.381                 | 0.496         | -0.8 | 05/02/2025 | 13:15     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.36    | 1.90     | 0.000           | 0.768 | 0.768                 | 1.001         | 0.1  | 05/02/2025 | 13:16     |

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Run Number: LB135651

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            | 7.44    | 1.88     | 0.000          | 0.377 | 0.377                 | 0.491                      | 05/02/2025 | 13:17     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.26    | 1.83     | 0.000          | 0.001 | 0.001                 | 0.000                      | 05/02/2025 | 13:18     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.46    | 1.98     | 0.000          | 0.379 | 0.379                 | 0.494                      | 05/02/2025 | 13:19     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.29    | 1.79     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/02/2025 | 13:20     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.42    | 1.94     | 0.000          | 0.010 | 0.010                 | 0.012                      | 05/02/2025 | 13:21     |
| 6   | PB167828BL |            | 1  | 2.50                | 100            | 7.34    | 1.75     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/02/2025 | 13:22     |
| 7   | PB167828BS | 20         | 1  | 2.50                | 100            | 7.46    | 1.98     | 0.000          | 0.384 | 0.384                 | 0.500                      | 05/02/2025 | 13:23     |
| 8   | Q1923-01   |            | 1  | 2.55                | 100            | 7.39    | 2.10     | 0.002          | 0.002 | 0.000                 | -0.001                     | 05/02/2025 | 13:24     |
| 9   | Q1928-01   |            | 1  | 2.57                | 100            | 7.59    | 2.28     | 0.001          | 0.001 | 0.000                 | -0.001                     | 05/02/2025 | 13:25     |
| 10  | Q1932-01   |            | 1  | 2.52                | 100            | 7.58    | 2.24     | 0.003          | 0.004 | 0.001                 | 0.000                      | 05/02/2025 | 13:26     |
| 11  | Q1932-01DU |            | 1  | 2.52                | 100            | 7.60    | 2.29     | 0.003          | 0.004 | 0.001                 | 0.000                      | 05/02/2025 | 13:27     |
| 12  | Q1932-01MS | 40         | 2  | 2.52                | 100            | 7.52    | 2.25     | 0.000          | 0.331 | 0.331                 | 0.431                      | 05/02/2025 | 13:28     |
| 13  | Q1932-01MS | 1284       | 40 | 2.53                | 100            | 7.55    | 2.20     | 0.000          | 0.610 | 0.610                 | 0.795                      | 05/02/2025 | 13:29     |
| 14  | Q1932-01MS | 40         | 2  | 2.53                | 100            | 7.60    | 2.29     | 0.000          | 0.377 | 0.377                 | 0.491                      | 05/02/2025 | 13:30     |
| 15  | Q1932-03   |            | 1  | 2.57                | 100            | 7.60    | 2.06     | 0.001          | 0.001 | 0.000                 | -0.001                     | 05/02/2025 | 13:31     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.45    | 1.90     | 0.000          | 0.378 | 0.378                 | 0.492                      | 05/02/2025 | 13:32     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.39    | 1.80     | 0.000          | 0.000 | 0.000                 | -0.001                     | 05/02/2025 | 13:33     |
| 18  | Q1932-05   |            | 1  | 2.55                | 100            | 7.69    | 2.10     | 0.004          | 0.004 | 0.000                 | -0.001                     | 05/02/2025 | 13:34     |
| 19  | Q1932-07   |            | 1  | 2.54                | 100            | 7.51    | 2.31     | 0.004          | 0.005 | 0.001                 | 0.000                      | 05/02/2025 | 13:35     |
| 20  | Q1935-01   |            | 1  | 2.51                | 100            | 7.48    | 2.10     | 0.003          | 0.003 | 0.000                 | -0.001                     | 05/02/2025 | 13:36     |
| 21  | Q1935-05   |            | 1  | 2.56                | 100            | 7.36    | 2.06     | 0.002          | 0.002 | 0.000                 | -0.001                     | 05/02/2025 | 13:37     |
| 22  | Q1936-01   |            | 1  | 2.54                | 100            | 7.33    | 1.99     | 0.004          | 0.005 | 0.001                 | 0.000                      | 05/02/2025 | 13:38     |
| 23  | Q1936-03   |            | 1  | 2.56                | 100            | 7.67    | 1.90     | 0.006          | 0.007 | 0.001                 | 0.000                      | 05/02/2025 | 13:39     |
| 24  | Q1936-05   |            | 1  | 2.52                | 100            | 7.60    | 2.06     | 0.004          | 0.005 | 0.001                 | 0.000                      | 05/02/2025 | 13:40     |
| 25  | Q1936-07   |            | 1  | 2.53                | 100            | 7.52    | 2.10     | 0.002          | 0.003 | 0.001                 | 0.000                      | 05/02/2025 | 13:41     |
| 26  | Q1937-01   |            | 1  | 2.57                | 100            | 7.70    | 2.06     | 0.002          | 0.002 | 0.000                 | -0.001                     | 05/02/2025 | 13:42     |
| 27  | Q1937-03   |            | 1  | 2.53                | 100            | 7.60    | 2.02     | 0.002          | 0.002 | 0.000                 | -0.001                     | 05/02/2025 | 13:43     |
| 28  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.53    | 1.85     | 0.000          | 0.380 | 0.380                 | 0.495                      | 05/02/2025 | 13:44     |
| 29  | CCB3       |            | 1  | 100                 | 100            | 7.39    | 1.79     | 0.000          | 0.001 | 0.001                 | 0.000                      | 05/02/2025 | 13:45     |
| 30  | Q1937-05   |            | 1  | 2.51                | 100            | 7.52    | 2.19     | 0.001          | 0.002 | 0.001                 | 0.000                      | 05/02/2025 | 13:46     |
| 31  | Q1937-07   |            | 1  | 2.54                | 100            | 7.55    | 2.11     | 0.014          | 0.015 | 0.001                 | 0.000                      | 05/02/2025 | 13:47     |
| 32  | Q1937-09   |            | 1  | 2.54                | 100            | 7.59    | 2.01     | 0.030          | 0.031 | 0.001                 | 0.000                      | 05/02/2025 | 13:48     |
| 33  | Q1937-11   |            | 1  | 2.58                | 100            | 7.44    | 1.88     | 0.030          | 0.030 | 0.000                 | -0.001                     | 05/02/2025 | 13:49     |
| 34  | CCV4       | 0.5        | 1  | 100                 | 100            | 7.49    | 1.99     | 0.000          | 0.380 | 0.380                 | 0.495                      | 05/02/2025 | 13:50     |
| 35  | CCB4       |            | 1  | 100                 | 100            | 7.30    | 1.84     | 0.000          | 0.001 | 0.001                 | 0.000                      | 05/02/2025 | 13:51     |