



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB130124

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP107234  |
| 5N sulfuric acid                  | WP105081  |
| HNO3 Hex-Chrome, 5M               | WP105080  |
| Hexchrome Cleaning Solution       | WP106152  |

Intercept: 0.0013

Slope: 0.7649

Regression: 0.999996

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HNO3 | pH H2SO4 | Absorb.at 540nm |       | Absorbance Difference | Result (mg/L) | %D   | Anal Date  | Anal Time |
|-----|--------|-------------------|----|------------------|----------------|---------|----------|-----------------|-------|-----------------------|---------------|------|------------|-----------|
|     |        |                   |    |                  |                |         |          | Backgrnd        | Color |                       |               |      |            |           |
| 1   | CAL1   | 0                 | 1  | 100              | 100            | 7.26    | 1.77     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 04/02/2024 | 12:00     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.36    | 1.85     | 0.000           | 0.009 | 0.009                 | 0.010         | 0    | 04/02/2024 | 12:01     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.38    | 1.87     | 0.000           | 0.021 | 0.021                 | 0.025         | 0    | 04/02/2024 | 12:02     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.35    | 1.88     | 0.000           | 0.039 | 0.039                 | 0.049         | -2   | 04/02/2024 | 12:03     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.37    | 1.85     | 0.000           | 0.079 | 0.079                 | 0.101         | 1    | 04/02/2024 | 12:04     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.38    | 1.86     | 0.000           | 0.384 | 0.384                 | 0.500         | 0    | 04/02/2024 | 12:05     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.36    | 1.87     | 0.000           | 0.766 | 0.766                 | 0.999         | -0.1 | 04/02/2024 | 12:06     |



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Run Number: LB130124

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            | 7.42    | 1.90     | 0.000          | 0.386 | 0.386                 | 0.503                      | 04/02/2024 | 12:07     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.27    | 1.76     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/02/2024 | 12:08     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.44    | 1.91     | 0.000          | 0.383 | 0.383                 | 0.499                      | 04/02/2024 | 12:09     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.28    | 1.74     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/02/2024 | 12:10     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.41    | 1.90     | 0.000          | 0.009 | 0.009                 | 0.010                      | 04/02/2024 | 12:11     |
| 6   | PB159939BL |            | 1  | 2.50                | 100            | 7.27    | 1.76     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/02/2024 | 12:12     |
| 7   | PB159939BS | 20         | 1  | 2.50                | 100            | 7.40    | 1.91     | 0.000          | 0.385 | 0.385                 | 0.502                      | 04/02/2024 | 11:13     |
| 8   | P1915-01   |            | 1  | 2.52                | 100            | 7.52    | 2.08     | 0.012          | 0.014 | 0.002                 | 0.001                      | 04/02/2024 | 12:14     |
| 9   | P1915-01DU |            | 1  | 2.53                | 100            | 7.58    | 2.04     | 0.012          | 0.013 | 0.001                 | 0.000                      | 04/02/2024 | 12:15     |
| 10  | P1915-01MS | 40         | 2  | 2.53                | 100            | 7.56    | 2.08     | 0.008          | 0.351 | 0.343                 | 0.447                      | 04/02/2024 | 12:16     |
| 11  | P1915-01MS | 1284       | 40 | 2.54                | 100            | 7.54    | 2.06     | 0.000          | 0.637 | 0.637                 | 0.831                      | 04/02/2024 | 12:17     |
| 12  | P1915-01MS | 40         | 2  | 2.52                | 100            | 7.52    | 2.10     | 0.007          | 0.369 | 0.362                 | 0.472                      | 04/02/2024 | 12:18     |
| 13  | P1927-01   |            | 1  | 2.54                | 100            | 7.62    | 2.10     | 0.014          | 0.016 | 0.002                 | 0.001                      | 04/02/2024 | 12:19     |
| 14  | P1927-03   |            | 1  | 2.51                | 100            | 7.52    | 2.14     | 0.027          | 0.028 | 0.001                 | 0.000                      | 04/02/2024 | 12:20     |
| 15  | P1936-01   |            | 1  | 2.52                | 100            | 7.58    | 2.08     | 0.012          | 0.014 | 0.002                 | 0.001                      | 04/02/2024 | 12:21     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.42    | 1.93     | 0.000          | 0.384 | 0.384                 | 0.500                      | 04/02/2024 | 12:22     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.25    | 1.77     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/02/2024 | 12:23     |