

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB132186

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP109373  |
| 5N sulfuric acid                  | WP107791  |
| HNO3 Hex-Chrome, 5M               | WP107796  |
| Hexchrome Cleaning Solution       | WP108645  |

Intercept: 0.0014

Slope: 0.7664

Regression: 0.999999

| 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            | 7.29    | 1.78     | 0.000           | 0.001 | 0.001                 | -0.00         |      | 08/27/2024 | 16:15     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.40    | 1.84     | 0.000           | 0.009 | 0.009                 | 0.009         | -10  | 08/27/2024 | 16:16     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.37    | 1.88     | 0.000           | 0.021 | 0.021                 | 0.025         | 0    | 08/27/2024 | 16:17     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.39    | 1.86     | 0.000           | 0.040 | 0.040                 | 0.050         | 0    | 08/27/2024 | 16:18     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.39    | 1.88     | 0.000           | 0.078 | 0.078                 | 0.099         | -1   | 08/27/2024 | 16:19     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.36    | 1.89     | 0.000           | 0.384 | 0.384                 | 0.499         | -0.2 | 08/27/2024 | 16:20     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.38    | 1.85     | 0.000           | 0.768 | 0.768                 | 1.000         | 0    | 08/27/2024 | 16:21     |



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Run Number: LB132186

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            | 7.43    | 1.94     | 0.000          | 0.385 | 0.385                 | 0.501                      | 08/27/2024 | 16:22     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.27    | 1.79     | 0.000          | 0.001 | 0.001                 | -0.001                     | 08/27/2024 | 16:23     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.45    | 1.92     | 0.000          | 0.383 | 0.383                 | 0.498                      | 08/27/2024 | 16:24     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.25    | 1.77     | 0.000          | 0.001 | 0.001                 | -0.001                     | 08/27/2024 | 16:25     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.42    | 1.93     | 0.000          | 0.009 | 0.009                 | 0.010                      | 08/27/2024 | 16:26     |
| 6   | PB163014BL |            | 1  | 2.50                | 100            | 7.26    | 1.79     | 0.000          | 0.000 | 0.000                 | -0.002                     | 08/27/2024 | 16:27     |
| 7   | PB163014BS | 20         | 1  | 2.50                | 100            | 7.43    | 1.96     | 0.000          | 0.384 | 0.384                 | 0.499                      | 08/27/2024 | 16:28     |
| 8   | P3735-01   |            | 1  | 2.54                | 100            | 7.56    | 2.10     | 0.001          | 0.002 | 0.001                 | -0.001                     | 08/27/2024 | 16:29     |
| 9   | P3735-07   |            | 1  | 2.51                | 100            | 7.62    | 2.14     | 0.008          | 0.008 | 0.000                 | -0.002                     | 08/27/2024 | 16:30     |
| 10  | P3735-13   |            | 1  | 2.52                | 100            | 7.52    | 2.14     | 0.007          | 0.008 | 0.001                 | -0.001                     | 08/27/2024 | 16:31     |
| 11  | P3737-01   |            | 1  | 2.53                | 100            | 7.58    | 2.20     | 0.005          | 0.011 | 0.006                 | 0.006                      | 08/27/2024 | 16:32     |
| 12  | P3737-02   |            | 1  | 2.52                | 100            | 7.60    | 2.10     | 0.013          | 0.240 | 0.227                 | 0.294                      | 08/27/2024 | 16:33     |
| 13  | P3737-03   |            | 1  | 2.51                | 100            | 7.52    | 2.06     | 0.008          | 0.014 | 0.006                 | 0.006                      | 08/27/2024 | 16:34     |
| 14  | P3737-04   |            | 1  | 2.54                | 100            | 7.64    | 2.24     | 0.005          | 0.006 | 0.001                 | -0.001                     | 08/27/2024 | 16:35     |
| 15  | P3737-05   |            | 1  | 2.52                | 100            | 7.56    | 2.06     | 0.010          | 0.011 | 0.001                 | -0.001                     | 08/27/2024 | 16:36     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.42    | 1.92     | 0.000          | 0.386 | 0.386                 | 0.502                      | 08/27/2024 | 16:37     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.28    | 1.74     | 0.000          | 0.000 | 0.000                 | -0.002                     | 08/27/2024 | 16:38     |
| 18  | P3739-01   |            | 1  | 2.54                | 100            | 7.60    | 2.06     | 0.026          | 0.027 | 0.001                 | -0.001                     | 08/27/2024 | 16:39     |
| 19  | P3739-05   |            | 1  | 2.52                | 100            | 7.56    | 2.18     | 0.014          | 0.014 | 0.000                 | -0.002                     | 08/27/2024 | 16:40     |
| 20  | P3739-09   |            | 1  | 2.52                | 100            | 7.52    | 2.12     | 0.010          | 0.010 | 0.000                 | -0.002                     | 08/27/2024 | 16:41     |
| 21  | P3739-13   |            | 1  | 2.55                | 100            | 7.60    | 2.06     | 0.008          | 0.009 | 0.001                 | -0.001                     | 08/27/2024 | 16:42     |
| 22  | P3741-01   |            | 1  | 2.52                | 100            | 7.60    | 2.06     | 0.002          | 0.003 | 0.001                 | -0.001                     | 08/27/2024 | 16:43     |
| 23  | P3741-01DU |            | 1  | 2.53                | 100            | 7.56    | 2.10     | 0.002          | 0.003 | 0.001                 | -0.001                     | 08/27/2024 | 16:44     |
| 24  | P3741-01MS | 40         | 2  | 2.53                | 100            | 7.52    | 2.10     | 0.000          | 0.341 | 0.341                 | 0.443                      | 08/27/2024 | 16:45     |
| 25  | P3741-01MS | 1284       | 40 | 2.52                | 100            | 7.52    | 2.06     | 0.000          | 0.640 | 0.640                 | 0.833                      | 08/27/2024 | 16:46     |
| 26  | P3741-01MS | 40         | 2  | 2.53                | 100            | 7.64    | 2.14     | 0.000          | 0.382 | 0.382                 | 0.497                      | 08/27/2024 | 16:47     |
| 27  | P3748-01   |            | 1  | 2.56                | 100            | 7.54    | 2.16     | 0.002          | 0.004 | 0.002                 | 0.001                      | 08/27/2024 | 16:48     |
| 28  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.46    | 1.94     | 0.000          | 0.385 | 0.385                 | 0.501                      | 08/27/2024 | 16:49     |
| 29  | CCB3       |            | 1  | 100                 | 100            | 7.31    | 1.77     | 0.000          | 0.000 | 0.000                 | -0.002                     | 08/27/2024 | 16:50     |
| 30  | P3751-01   |            | 1  | 2.53                | 100            | 7.70    | 2.10     | 0.008          | 0.018 | 0.010                 | 0.011                      | 08/27/2024 | 16:51     |
| 31  | CCV4       | 0.5        | 1  | 100                 | 100            | 7.41    | 1.91     | 0.000          | 0.384 | 0.384                 | 0.499                      | 08/27/2024 | 16:52     |
| 32  | CCB4       |            | 1  | 100                 | 100            | 7.28    | 1.80     | 0.000          | 0.001 | 0.001                 | -0.001                     | 08/27/2024 | 16:53     |