

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133201

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP110382  |
| 5N sulfuric acid                  | WP110380  |
| HNO3 Hex-Chrome, 5M               | WP110381  |
| Hexchrome Cleaning Solution       | WP108645  |

Intercept: 0.0015

Slope: 0.7651

Regression: 0.999992

| 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            | 7.30    | 1.78     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 10/30/2024 | 09:40     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.40    | 1.90     | 0.000           | 0.009 | 0.009                 | 0.009         | -10  | 10/30/2024 | 09:41     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.41    | 1.92     | 0.000           | 0.020 | 0.020                 | 0.024         | -4   | 10/30/2024 | 09:42     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.36    | 1.92     | 0.000           | 0.040 | 0.040                 | 0.050         | 0    | 10/30/2024 | 09:43     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.38    | 1.88     | 0.000           | 0.080 | 0.080                 | 0.102         | 2    | 10/30/2024 | 09:44     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.41    | 1.86     | 0.000           | 0.385 | 0.385                 | 0.501         | 0.2  | 10/30/2024 | 09:45     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.38    | 1.88     | 0.000           | 0.766 | 0.766                 | 0.999         | -0.1 | 10/30/2024 | 09:46     |

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Parameter: Hexavalent Chromium

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Run Number: LB133201

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            | 7.46    | 1.96     | 0.000          | 0.386 | 0.386                 | 0.503                      | 10/30/2024 | 09:47     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.27    | 1.79     | 0.000          | 0.001 | 0.001                 | -0.001                     | 10/30/2024 | 09:48     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.44    | 1.93     | 0.000          | 0.384 | 0.384                 | 0.500                      | 10/30/2024 | 09:49     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.25    | 1.81     | 0.000          | 0.000 | 0.000                 | -0.002                     | 10/30/2024 | 09:50     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.42    | 1.90     | 0.000          | 0.010 | 0.010                 | 0.011                      | 10/30/2024 | 09:51     |
| 6   | PB164491BL |            | 1  | 2.50                | 100            | 7.27    | 1.74     | 0.000          | 0.001 | 0.001                 | -0.001                     | 10/30/2024 | 09:52     |
| 7   | PB164491BS | 20         | 1  | 2.50                | 100            | 7.45    | 1.91     | 0.000          | 0.386 | 0.386                 | 0.503                      | 10/30/2024 | 09:53     |
| 8   | P4594-01   |            | 1  | 2.51                | 100            | 7.60    | 2.16     | 0.007          | 0.008 | 0.001                 | -0.001                     | 10/30/2024 | 09:54     |
| 9   | P4594-01DU |            | 1  | 2.51                | 100            | 7.64    | 2.18     | 0.007          | 0.008 | 0.001                 | -0.001                     | 10/30/2024 | 09:55     |
| 10  | P4594-01MS | 40         | 2  | 2.52                | 100            | 7.56    | 2.10     | 0.000          | 0.297 | 0.297                 | 0.386                      | 10/30/2024 | 09:56     |
| 11  | P4594-01MS | 1284       | 40 | 2.51                | 100            | 7.64    | 2.20     | 0.000          | 0.622 | 0.622                 | 0.811                      | 10/30/2024 | 09:57     |
| 12  | P4594-01MS | 40         | 2  | 2.52                | 100            | 7.60    | 2.22     | 0.000          | 0.374 | 0.374                 | 0.487                      | 10/30/2024 | 09:58     |
| 13  | P4594-05   |            | 1  | 2.53                | 100            | 7.68    | 2.10     | 0.005          | 0.005 | 0.000                 | -0.002                     | 10/30/2024 | 09:59     |
| 14  | P4594-09   |            | 1  | 2.51                | 100            | 7.65    | 2.06     | 0.007          | 0.007 | 0.000                 | -0.002                     | 10/30/2024 | 10:00     |
| 15  | P4594-13   |            | 1  | 2.54                | 100            | 7.60    | 2.10     | 0.007          | 0.008 | 0.001                 | -0.001                     | 10/30/2024 | 10:01     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.45    | 1.95     | 0.000          | 0.385 | 0.385                 | 0.501                      | 10/30/2024 | 10:02     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.31    | 1.78     | 0.000          | 0.001 | 0.001                 | -0.001                     | 10/30/2024 | 10:03     |
| 18  | P4594-17   |            | 1  | 2.54                | 100            | 7.68    | 2.06     | 0.008          | 0.008 | 0.000                 | -0.002                     | 10/30/2024 | 10:04     |
| 19  | P4597-01   |            | 1  | 2.52                | 100            | 7.70    | 2.16     | 0.010          | 0.010 | 0.000                 | -0.002                     | 10/30/2024 | 10:05     |
| 20  | P4597-04   |            | 1  | 2.53                | 100            | 7.61    | 2.24     | 0.004          | 0.004 | 0.000                 | -0.002                     | 10/30/2024 | 10:06     |
| 21  | P4597-07   |            | 1  | 2.52                | 100            | 7.56    | 2.28     | 0.020          | 0.020 | 0.000                 | -0.002                     | 10/30/2024 | 10:07     |
| 22  | P4597-10   |            | 1  | 2.55                | 100            | 7.70    | 2.10     | 0.003          | 0.004 | 0.001                 | -0.001                     | 10/30/2024 | 10:08     |
| 23  | P4598-01   |            | 1  | 2.54                | 100            | 7.62    | 2.06     | 0.006          | 0.006 | 0.000                 | -0.002                     | 10/30/2024 | 10:09     |
| 24  | P4598-05   |            | 1  | 2.54                | 100            | 7.67    | 2.20     | 0.006          | 0.006 | 0.000                 | -0.002                     | 10/30/2024 | 10:10     |
| 25  | P4598-09   |            | 1  | 2.56                | 100            | 7.72    | 2.10     | 0.008          | 0.009 | 0.001                 | -0.001                     | 10/30/2024 | 10:11     |
| 26  | P4612-03   |            | 1  | 2.52                | 100            | 7.64    | 2.18     | 0.018          | 0.028 | 0.010                 | 0.011                      | 10/30/2024 | 10:12     |
| 27  | P4613-01   |            | 1  | 2.53                | 100            | 7.60    | 2.06     | 0.030          | 0.031 | 0.001                 | -0.001                     | 10/30/2024 | 10:13     |
| 28  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.42    | 1.96     | 0.000          | 0.386 | 0.386                 | 0.503                      | 10/30/2024 | 10:14     |
| 29  | CCB3       |            | 1  | 100                 | 100            | 7.26    | 1.77     | 0.000          | 0.001 | 0.001                 | -0.001                     | 10/30/2024 | 10:15     |
| 30  | P4614-01   |            | 1  | 2.52                | 100            | 7.56    | 2.10     | 0.006          | 0.007 | 0.001                 | -0.001                     | 10/30/2024 | 10:16     |
| 31  | P4616-01   |            | 1  | 2.54                | 100            | 7.52    | 2.10     | 0.007          | 0.007 | 0.000                 | -0.002                     | 10/30/2024 | 10:17     |
| 32  | P4616-05   |            | 1  | 2.56                | 100            | 7.54    | 2.06     | 0.002          | 0.002 | 0.000                 | -0.002                     | 10/30/2024 | 16:18     |
| 33  | CCV4       | 0.5        | 1  | 100                 | 100            | 7.46    | 1.92     | 0.000          | 0.383 | 0.383                 | 0.499                      | 10/30/2024 | 16:19     |
| 34  | CCB4       |            | 1  | 100                 | 100            | 7.29    | 1.75     | 0.000          | 0.001 | 0.001                 | -0.001                     | 10/30/2024 | 10:20     |