



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124713

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP101722  |
| 5N sulfuric acid                  | WP99758   |
| HNO3 Hex-Chrome, 5M               | WP99757   |
| Hexchrome Cleaning Solution       | WP100882  |

Intercept: 0.001

Slope: 0.7646

Regression: 0.999995

| 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            | 7.34    | 2.08     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 03/28/2023 | 12:10     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.28    | 1.96     | 0.000           | 0.008 | 0.008                 | 0.009         | -10  | 03/28/2023 | 12:11     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.30    | 1.94     | 0.000           | 0.020 | 0.020                 | 0.024         | -4   | 03/28/2023 | 12:12     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.32    | 1.98     | 0.000           | 0.039 | 0.039                 | 0.049         | -2   | 03/28/2023 | 12:13     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.36    | 1.94     | 0.000           | 0.079 | 0.079                 | 0.102         | 2    | 03/28/2023 | 12:14     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.26    | 1.92     | 0.000           | 0.384 | 0.384                 | 0.500         | 0    | 03/28/2023 | 12:15     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.34    | 1.90     | 0.000           | 0.765 | 0.765                 | 0.999         | -0.1 | 03/28/2023 | 12:16     |



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Run Number: LB124713

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            | 7.38    | 2.08     | 0.000          | 0.383 | 0.383                 | 0.500                      | 03/28/2023 | 12:17     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.20    | 1.96     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/28/2023 | 12:18     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.36    | 2.10     | 0.000          | 0.385 | 0.385                 | 0.502                      | 03/28/2023 | 12:19     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.20    | 1.88     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/28/2023 | 12:20     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.52    | 1.98     | 0.000          | 0.009 | 0.009                 | 0.010                      | 03/28/2023 | 12:21     |
| 6   | PB151648BL |            | 1  | 2.50                | 100            | 7.22    | 1.85     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/28/2023 | 12:22     |
| 7   | PB151648BS | 20         | 1  | 2.50                | 100            | 7.38    | 2.08     | 0.000          | 0.383 | 0.383                 | 0.500                      | 03/28/2023 | 12:23     |
| 8   | O2047-01   |            | 1  | 2.54                | 100            | 7.52    | 2.12     | 0.006          | 0.008 | 0.002                 | 0.001                      | 03/28/2023 | 12:24     |
| 9   | O2049-01   |            | 1  | 2.52                | 100            | 7.62    | 2.18     | 0.001          | 0.002 | 0.001                 | 0.000                      | 03/28/2023 | 12:25     |
| 10  | O2049-01DU |            | 1  | 2.52                | 100            | 7.62    | 2.16     | 0.002          | 0.003 | 0.001                 | 0.000                      | 03/28/2023 | 12:26     |
| 11  | O2049-01MS | 40         | 2  | 2.53                | 100            | 7.52    | 2.08     | 0.002          | 0.362 | 0.360                 | 0.470                      | 03/28/2023 | 12:27     |
| 12  | O2049-01MS | 1284       | 40 | 2.54                | 100            | 7.58    | 2.14     | 0.006          | 0.610 | 0.604                 | 0.789                      | 03/28/2023 | 12:28     |
| 13  | O2049-01MS | 40         | 2  | 2.52                | 100            | 7.52    | 2.08     | 0.001          | 0.370 | 0.369                 | 0.481                      | 03/28/2023 | 12:29     |
| 14  | O2104-01   |            | 1  | 2.54                | 100            | 7.64    | 2.20     | 0.037          | 0.038 | 0.001                 | 0.000                      | 03/28/2023 | 12:30     |
| 15  | O2104-02   |            | 1  | 2.53                | 100            | 7.70    | 2.28     | 0.036          | 0.037 | 0.001                 | 0.000                      | 03/28/2023 | 12:31     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.52    | 2.08     | 0.000          | 0.384 | 0.384                 | 0.501                      | 03/28/2023 | 12:32     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.20    | 1.86     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/28/2023 | 12:33     |
| 18  | O2105-01   |            | 1  | 2.54                | 100            | 7.62    | 2.22     | 0.018          | 0.030 | 0.012                 | 0.014                      | 03/28/2023 | 12:34     |
| 19  | O2105-04   |            | 1  | 2.55                | 100            | 7.76    | 2.30     | 0.013          | 0.014 | 0.001                 | 0.000                      | 03/28/2023 | 12:35     |
| 20  | O2105-07   |            | 1  | 2.57                | 100            | 7.72    | 2.32     | 0.018          | 0.028 | 0.010                 | 0.012                      | 03/28/2023 | 12:36     |
| 21  | O2108-02   |            | 1  | 2.53                | 100            | 7.68    | 2.24     | 0.005          | 0.007 | 0.002                 | 0.001                      | 03/28/2023 | 12:37     |
| 22  | O2109-01   |            | 1  | 2.55                | 100            | 7.62    | 2.20     | 0.035          | 0.036 | 0.001                 | 0.000                      | 03/28/2023 | 12:38     |
| 23  | O2109-02   |            | 1  | 2.53                | 100            | 7.60    | 2.32     | 0.037          | 0.038 | 0.001                 | 0.000                      | 03/28/2023 | 12:39     |
| 24  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.50    | 2.04     | 0.000          | 0.384 | 0.384                 | 0.501                      | 03/28/2023 | 12:40     |
| 25  | CCB3       |            | 1  | 100                 | 100            | 7.18    | 1.96     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/28/2023 | 12:41     |