



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124621

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP101579  |
| 5N sulfuric acid                  | WP99758   |
| HNO3 Hex-Chrome, 5M               | WP99757   |
| Hexchrome Cleaning Solution       | WP100882  |

Intercept: 0.0008

Slope: 0.7635

Regression: 0.999998

| 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         |      | 03/16/2023 | 13:50     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.28    | 1.88     | 0.000           | 0.008 | 0.008                 | 0.009         | -10  | 03/16/2023 | 13:51     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.36    | 1.96     | 0.000           | 0.020 | 0.020                 | 0.025         | 0    | 03/16/2023 | 13:52     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.52    | 1.85     | 0.000           | 0.039 | 0.039                 | 0.050         | 0    | 03/16/2023 | 13:53     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.50    | 1.96     | 0.000           | 0.078 | 0.078                 | 0.101         | 1    | 03/16/2023 | 13:54     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.38    | 1.98     | 0.000           | 0.383 | 0.383                 | 0.500         | 0    | 03/16/2023 | 13:55     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.62    | 2.02     | 0.000           | 0.764 | 0.764                 | 0.999         | -0.1 | 03/16/2023 | 13:56     |



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Run Number: LB124621

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            | 7.59    | 2.08     | 0.000          | 0.384 | 0.384                 | 0.502                      | 03/16/2023 | 13:57     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.34    | 2.06     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/16/2023 | 13:58     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.28    | 2.18     | 0.000          | 0.385 | 0.385                 | 0.503                      | 03/16/2023 | 13:59     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.52    | 1.96     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/16/2023 | 14:00     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.52    | 2.04     | 0.000          | 0.009 | 0.009                 | 0.011                      | 03/16/2023 | 14:01     |
| 6   | PB151399BL |            | 1  | 2.50                | 100            | 7.28    | 1.96     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/16/2023 | 14:02     |
| 7   | PB151399BS | 20         | 1  | 2.50                | 100            | 7.36    | 2.08     | 0.000          | 0.383 | 0.383                 | 0.501                      | 03/16/2023 | 14:03     |
| 8   | O1848-01   |            | 1  | 2.56                | 100            | 7.36    | 1.88     | 0.007          | 0.007 | 0.000                 | -0.001                     | 03/16/2023 | 14:04     |
| 9   | O1900-01   |            | 1  | 2.54                | 100            | 7.62    | 2.08     | 0.002          | 0.002 | 0.000                 | -0.001                     | 03/16/2023 | 14:05     |
| 10  | O1901-01   |            | 1  | 2.55                | 100            | 7.60    | 2.18     | 0.015          | 0.017 | 0.002                 | 0.002                      | 03/16/2023 | 14:06     |
| 11  | O1905-01   |            | 1  | 2.52                | 100            | 7.72    | 2.20     | 0.016          | 0.017 | 0.001                 | 0.000                      | 03/16/2023 | 14:07     |
| 12  | O1905-04   |            | 1  | 2.53                | 100            | 7.50    | 2.22     | 0.038          | 0.039 | 0.001                 | 0.000                      | 03/16/2023 | 14:08     |
| 13  | O1905-07   |            | 1  | 2.56                | 100            | 7.56    | 2.08     | 0.029          | 0.030 | 0.001                 | 0.000                      | 01/16/2023 | 14:09     |
| 14  | O1905-10   |            | 1  | 2.54                | 100            | 7.52    | 1.96     | 0.024          | 0.024 | 0.000                 | -0.001                     | 03/16/2023 | 14:10     |
| 15  | O1905-10DU |            | 1  | 2.52                | 100            | 7.52    | 1.98     | 0.024          | 0.024 | 0.000                 | -0.001                     | 03/16/2023 | 14:11     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.28    | 1.96     | 0.000          | 0.385 | 0.385                 | 0.503                      | 03/16/2023 | 14:12     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.36    | 1.85     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/16/2023 | 14:13     |
| 18  | O1905-10MS | 40         | 2  | 2.58                | 100            | 7.52    | 2.28     | 0.023          | 0.360 | 0.337                 | 0.440                      | 03/16/2023 | 14:14     |
| 19  | O1905-10MS | 1284       | 40 | 2.56                | 100            | 7.56    | 2.20     | 0.006          | 0.612 | 0.606                 | 0.793                      | 03/16/2023 | 14:15     |
| 20  | O1905-10MS | 40         | 2  | 2.57                | 100            | 7.48    | 2.18     | 0.022          | 0.365 | 0.343                 | 0.448                      | 03/16/2023 | 14:16     |
| 21  | O1908-01   |            | 1  | 2.53                | 100            | 7.34    | 2.08     | 0.025          | 0.026 | 0.001                 | 0.000                      | 03/16/2023 | 14:17     |
| 22  | O1919-01   |            | 1  | 2.54                | 100            | 7.28    | 1.96     | 0.014          | 0.036 | 0.022                 | 0.028                      | 03/16/2023 | 14:18     |
| 23  | O1928-01   |            | 1  | 2.54                | 100            | 7.22    | 2.06     | 0.007          | 0.009 | 0.002                 | 0.002                      | 03/16/2023 | 14:19     |
| 24  | O1936-01   |            | 1  | 2.53                | 100            | 7.36    | 1.96     | 0.037          | 0.038 | 0.001                 | 0.000                      | 03/16/2023 | 14:20     |
| 25  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.78    | 1.85     | 0.000          | 0.384 | 0.384                 | 0.502                      | 03/16/2023 | 14:21     |
| 26  | CCB3       |            | 1  | 100                 | 100            | 7.28    | 2.05     | 0.000          | 0.001 | 0.001                 | 0.000                      | 03/16/2023 | 14:22     |