



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Nikita

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: jignesh

Run Number: LB130187

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: 0.0017

Slope: 0.7637

Regression: 0.999993

| 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    | 1.76     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 04/05/2024 | 12:00     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.35    | 1.85     | 0.000           | 0.009 | 0.009                 | 0.009         | -10  | 04/05/2024 | 12:01     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.37    | 1.88     | 0.000           | 0.021 | 0.021                 | 0.025         | 0    | 04/05/2024 | 12:02     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.38    | 1.84     | 0.000           | 0.040 | 0.040                 | 0.050         | 0    | 04/05/2024 | 12:03     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.36    | 1.86     | 0.000           | 0.080 | 0.080                 | 0.102         | 2    | 04/05/2024 | 12:04     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.42    | 1.91     | 0.000           | 0.384 | 0.384                 | 0.500         | 0    | 04/05/2024 | 12:05     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.35    | 1.87     | 0.000           | 0.765 | 0.765                 | 0.999         | -0.1 | 04/05/2024 | 12:06     |



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Run Number: LB130187

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            | 7.41    | 1.90     | 0.000          | 0.384 | 0.384                 | 0.501                      | 04/05/2024 | 12:07     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.28    | 1.78     | 0.000          | 0.001 | 0.001                 | -0.001                     | 04/05/2024 | 12:08     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.43    | 1.50     | 0.000          | 0.384 | 0.384                 | 0.501                      | 04/05/2024 | 12:09     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.27    | 1.76     | 0.000          | 0.001 | 0.001                 | -0.001                     | 04/05/2024 | 12:10     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.40    | 1.91     | 0.000          | 0.010 | 0.010                 | 0.011                      | 04/05/2024 | 12:11     |
| 6   | PB160012BL |            | 1  | 2.50                | 100            | 7.27    | 1.74     | 0.000          | 0.001 | 0.001                 | -0.001                     | 04/05/2024 | 12:12     |
| 7   | PB160012BS | 20         | 1  | 2.50                | 100            | 7.43    | 1.92     | 0.000          | 0.386 | 0.386                 | 0.503                      | 04/05/2024 | 12:13     |
| 8   | P1952-01   |            | 1  | 2.51                | 100            | 7.38    | 2.08     | 0.002          | 0.005 | 0.003                 | 0.002                      | 04/05/2024 | 12:14     |
| 9   | P1952-04   |            | 1  | 2.53                | 100            | 7.42    | 2.09     | 0.006          | 0.007 | 0.001                 | -0.001                     | 04/05/2024 | 12:15     |
| 10  | P1952-07   |            | 1  | 2.54                | 100            | 7.28    | 2.12     | 0.003          | 0.004 | 0.001                 | -0.001                     | 04/05/2024 | 12:16     |
| 11  | P1952-10   |            | 1  | 2.52                | 100            | 7.38    | 2.05     | 0.002          | 0.004 | 0.002                 | 0.000                      | 04/05/2024 | 12:17     |
| 12  | P1952-10DU |            | 1  | 2.54                | 100            | 7.38    | 2.03     | 0.003          | 0.004 | 0.001                 | -0.001                     | 04/05/2024 | 12:18     |
| 13  | P1952-10MS | 40         | 2  | 2.53                | 100            | 7.54    | 2.09     | 0.005          | 0.152 | 0.147                 | 0.190                      | 04/05/2024 | 12:19     |
| 14  | P1952-10MS | 1284       | 40 | 2.53                | 100            | 2.00    | 2.00     | 0.000          | 0.568 | 0.568                 | 0.742                      | 04/05/2024 | 12:20     |
| 15  | P1952-10MS | 40         | 2  | 2.54                | 100            | 7.51    | 2.04     | 0.006          | 0.262 | 0.256                 | 0.333                      | 04/05/2024 | 12:21     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.42    | 1.92     | 0.000          | 0.385 | 0.385                 | 0.502                      | 04/05/2024 | 12:22     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.28    | 1.77     | 0.000          | 0.001 | 0.001                 | -0.001                     | 04/05/2024 | 12:23     |
| 18  | P1957-01   |            | 1  | 2.52                | 100            | 7.50    | 2.12     | 0.017          | 0.019 | 0.002                 | 0.000                      | 04/05/2024 | 12:24     |
| 19  | P1974-01   |            | 1  | 2.54                | 100            | 7.38    | 2.06     | 0.008          | 0.010 | 0.002                 | 0.000                      | 04/05/2024 | 12:25     |
| 20  | P1974-04   |            | 1  | 2.53                | 100            | 7.51    | 2.06     | 0.012          | 0.013 | 0.001                 | -0.001                     | 04/05/2024 | 12:26     |
| 21  | P1974-07   |            | 1  | 2.52                | 100            | 7.41    | 2.09     | 0.007          | 0.008 | 0.001                 | -0.001                     | 04/05/2024 | 12:27     |
| 22  | P1995-01   |            | 1  | 2.54                | 100            | 7.55    | 2.04     | 0.023          | 0.025 | 0.002                 | 0.000                      | 04/05/2024 | 12:28     |
| 23  | P1995-03   |            | 1  | 2.53                | 100            | 7.42    | 2.05     | 0.025          | 0.028 | 0.003                 | 0.002                      | 04/05/2024 | 12:29     |
| 24  | P1995-05   |            | 1  | 2.52                | 100            | 7.42    | 2.09     | 0.004          | 0.006 | 0.002                 | 0.000                      | 04/05/2024 | 12:30     |
| 25  | P1996-01   |            | 1  | 2.51                | 100            | 7.53    | 2.07     | 0.012          | 0.014 | 0.002                 | 0.000                      | 04/05/2024 | 12:31     |
| 26  | P1996-04   |            | 1  | 2.53                | 100            | 7.38    | 2.06     | 0.015          | 0.016 | 0.001                 | -0.001                     | 04/05/2024 | 12:32     |
| 27  | P1996-07   |            | 1  | 2.54                | 100            | 7.40    | 2.10     | 0.009          | 0.011 | 0.002                 | 0.000                      | 04/05/2024 | 12:33     |
| 28  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.42    | 1.92     | 0.000          | 0.385 | 0.385                 | 0.502                      | 04/05/2024 | 12:34     |
| 29  | CCB3       |            | 1  | 100                 | 100            | 7.25    | 1.77     | 0.000          | 0.001 | 0.001                 | -0.001                     | 04/05/2024 | 12:35     |