

## Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB113829

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP90302   |
| 5N sulfuric acid                  | WP88023   |
| HNO3 Hex-Chrome, 5M               | WP88022   |
| Hexchrome Cleaning Solution       | WP89916   |

Intercept: 0.0009

Slope: 0.7641

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            | 7.14    | 2.08     | 0.000           | 0.001 | 0.001                 | 0.000         |    | 04/05/2021 | 14:25     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.36    | 2.14     | 0.000           | 0.008 | 0.008                 | 0.009         | 10 | 04/05/2021 | 14:26     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.22    | 2.34     | 0.000           | 0.020 | 0.020                 | 0.024         | 4  | 04/05/2021 | 14:27     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.46    | 2.21     | 0.000           | 0.039 | 0.039                 | 0.049         | 2  | 04/05/2021 | 14:28     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.65    | 1.88     | 0.000           | 0.078 | 0.078                 | 0.100         | 0  | 04/05/2021 | 14:29     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.52    | 1.96     | 0.000           | 0.383 | 0.383                 | 0.500         | 0  | 04/05/2021 | 14:30     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.41    | 1.74     | 0.000           | 0.765 | 0.765                 | 1             | 0  | 04/05/2021 | 14:31     |

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Run Number: LB113829

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            | 7.63    | 2.25     | 0.000          | 0.383 | 0.383                 | 0.500                      | 04/05/2021 | 14:32     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.74    | 2.14     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/05/2021 | 14:33     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.52    | 2.34     | 0.000          | 0.382 | 0.382                 | 0.499                      | 04/05/2021 | 14:34     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.31    | 2.08     | 0.000          | 0.000 | 0.000                 | -0.001                     | 04/05/2021 | 14:35     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.20    | 1.98     | 0.000          | 0.009 | 0.009                 | 0.011                      | 04/05/2021 | 14:36     |
| 6   | PB135536BL |            | 1  | 2.50                | 100            | 7.18    | 1.88     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/05/2021 | 14:37     |
| 7   | PB135536BS | 20         | 1  | 2.50                | 100            | 7.41    | 2.36     | 0.000          | 0.355 | 0.355                 | 0.463                      | 04/05/2021 | 14:38     |
| 8   | M1792-09   |            | 1  | 2.53                | 100            | 7.36    | 2.24     | 0.066          | 0.068 | 0.002                 | 0.001                      | 04/05/2021 | 14:39     |
| 9   | M1792-09DU |            | 1  | 2.52                | 100            | 7.66    | 1.78     | 0.065          | 0.067 | 0.002                 | 0.001                      | 04/05/2021 | 14:40     |
| 10  | M1792-09MS | 40         | 2  | 2.51                | 100            | 7.71    | 1.96     | 0.060          | 0.110 | 0.050                 | 0.064                      | 04/05/2021 | 14:41     |
| 11  | M1792-09MS | 1284       | 40 | 2.53                | 100            | 7.52    | 2.14     | 0.055          | 0.652 | 0.597                 | 0.780                      | 04/05/2021 | 14:42     |
| 12  | M1792-09MS | 40         | 2  | 2.50                | 100            | 7.62    | 2.28     | 0.061          | 0.165 | 0.104                 | 0.135                      | 04/05/2021 | 14:43     |
| 13  | M1792-10   |            | 1  | 2.51                | 100            | 7.41    | 2.34     | 0.070          | 0.072 | 0.002                 | 0.001                      | 04/05/2021 | 14:44     |
| 14  | M1813-07   |            | 1  | 2.50                | 100            | 7.34    | 1.78     | 0.009          | 0.009 | 0.000                 | -0.001                     | 04/05/2021 | 14:45     |
| 15  | M1933-02   |            | 1  | 2.52                | 100            | 7.44    | 1.92     | 0.046          | 0.048 | 0.002                 | 0.001                      | 04/05/2021 | 14:46     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.28    | 2.09     | 0.000          | 0.380 | 0.380                 | 0.496                      | 04/05/2021 | 14:47     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.28    | 2.25     | 0.000          | 0.001 | 0.001                 | 0.000                      | 04/05/2021 | 14:48     |
| 18  | M1933-04   |            | 1  | 2.53                | 100            | 7.10    | 2.14     | 0.032          | 0.033 | 0.001                 | 0.000                      | 04/05/2021 | 14:49     |
| 19  | M1933-06   |            | 1  | 2.50                | 100            | 7.29    | 2.36     | 0.016          | 0.017 | 0.001                 | 0.000                      | 04/05/2021 | 14:50     |
| 20  | M1933-08   |            | 1  | 2.55                | 100            | 7.44    | 2.14     | 0.025          | 0.027 | 0.002                 | 0.001                      | 04/05/2021 | 14:51     |
| 21  | M1933-10   |            | 1  | 2.52                | 100            | 7.34    | 2.09     | 0.030          | 0.030 | 0.000                 | -0.001                     | 04/05/2021 | 14:52     |
| 22  | M1933-12   |            | 1  | 2.55                | 100            | 7.17    | 2.34     | 0.029          | 0.029 | 0.000                 | -0.001                     | 04/05/2021 | 14:53     |
| 23  | M1933-14   |            | 1  | 2.54                | 100            | 7.34    | 2.25     | 0.036          | 0.038 | 0.002                 | 0.001                      | 04/05/2021 | 14:54     |
| 24  | M1933-16   |            | 1  | 2.58                | 100            | 7.28    | 1.85     | 0.031          | 0.031 | 0.000                 | -0.001                     | 04/05/2021 | 14:55     |
| 25  | M1933-18   |            | 1  | 2.55                | 100            | 7.64    | 1.74     | 0.024          | 0.025 | 0.001                 | 0.000                      | 04/05/2021 | 14:56     |
| 26  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.78    | 1.95     | 0.000          | 0.379 | 0.379                 | 0.495                      | 04/05/2021 | 14:57     |
| 27  | CCB3       |            | 1  | 100                 | 100            | 7.28    | 2.14     | 0.000          | 0.000 | 0.000                 | -0.001                     | 04/05/2021 | 14:58     |