

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB118232

pH Meter ID: WC pH Meter-1

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| hexavalent chromium color reagent | WP94677   |
| 5N sulfuric acid                  | WP93692   |
| HNO3 Hex-Chrome, 5M               | WP93691   |
| Hexchrome Cleaning Solution       | WP92841   |

Intercept: 0.0016

Slope: 0.769

Regression: 0.999996

| 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            | 7.15    | 2.08     | 0.000           | 0.001 | 0.001                 | -0.00         |     | 01/14/2022 | 13:05     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            | 7.30    | 1.88     | 0.000           | 0.009 | 0.009                 | 0.009         | 10  | 01/14/2022 | 13:06     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            | 7.28    | 1.74     | 0.000           | 0.021 | 0.021                 | 0.025         | 0   | 01/14/2022 | 13:07     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            | 7.45    | 1.95     | 0.000           | 0.040 | 0.040                 | 0.049         | 2   | 01/14/2022 | 13:08     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            | 7.62    | 2.30     | 0.000           | 0.080 | 0.080                 | 0.101         | -1  | 01/14/2022 | 13:10     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            | 7.52    | 2.15     | 0.000           | 0.385 | 0.385                 | 0.498         | 0.4 | 01/14/2022 | 13:11     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            | 7.74    | 2.28     | 0.000           | 0.771 | 0.771                 | 1.000         | 0   | 01/14/2022 | 13:12     |

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Run Number: LB118232

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            | 7.82    | 2.10     | 0.000          | 0.382 | 0.382                 | 0.495                      | 01/14/2022 | 13:15     |
| 2   | ICB        |            | 1  | 100                 | 100            | 7.28    | 2.36     | 0.000          | 0.002 | 0.002                 | 0.001                      | 01/14/2022 | 13:16     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            | 7.34    | 2.28     | 0.000          | 0.380 | 0.380                 | 0.492                      | 01/14/2022 | 13:17     |
| 4   | CCB1       |            | 1  | 100                 | 100            | 7.41    | 2.14     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/14/2022 | 13:18     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            | 7.29    | 2.08     | 0.000          | 0.010 | 0.010                 | 0.011                      | 01/14/2022 | 13:20     |
| 6   | PB142026BL |            | 1  | 2.50                | 100            | 7.09    | 1.88     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/14/2022 | 13:21     |
| 7   | PB142026BS | 20         | 1  | 2.50                | 100            | 7.52    | 1.74     | 0.002          | 0.355 | 0.353                 | 0.457                      | 01/14/2022 | 13:25     |
| 8   | N1097-01   |            | 1  | 2.53                | 100            | 7.48    | 1.92     | 0.037          | 0.038 | 0.001                 | -0.001                     | 01/14/2022 | 13:26     |
| 9   | N1097-01DU |            | 1  | 2.52                | 100            | 7.37    | 2.18     | 0.036          | 0.037 | 0.001                 | -0.001                     | 01/14/2022 | 13:27     |
| 10  | N1097-01MS | 40         | 2  | 2.51                | 100            | 7.27    | 2.29     | 0.034          | 0.114 | 0.080                 | 0.102                      | 01/14/2022 | 13:28     |
| 11  | N1097-01MS | 1284       | 40 | 2.53                | 100            | 7.34    | 2.40     | 0.030          | 0.628 | 0.598                 | 0.776                      | 01/14/2022 | 13:30     |
| 12  | N1097-01MS | 40         | 2  | 2.54                | 100            | 7.28    | 2.34     | 0.033          | 0.181 | 0.148                 | 0.190                      | 01/14/2022 | 13:32     |
| 13  | N1097-04   |            | 1  | 2.56                | 100            | 7.14    | 2.28     | 0.053          | 0.055 | 0.002                 | 0.001                      | 01/14/2022 | 13:35     |
| 14  | N1097-07   |            | 1  | 2.55                | 100            | 7.34    | 2.14     | 0.040          | 0.041 | 0.001                 | -0.001                     | 01/14/2022 | 13:36     |
| 15  | N1097-10   |            | 1  | 2.56                | 100            | 7.28    | 2.08     | 0.025          | 0.026 | 0.001                 | -0.001                     | 01/14/2022 | 13:37     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            | 7.14    | 1.89     | 0.000          | 0.379 | 0.379                 | 0.491                      | 01/14/2022 | 13:38     |
| 17  | CCB2       |            | 1  | 100                 | 100            | 7.34    | 1.87     | 0.000          | 0.001 | 0.001                 | -0.001                     | 01/14/2022 | 13:39     |
| 18  | N1097-13   |            | 1  | 2.55                | 100            | 7.25    | 1.74     | 0.042          | 0.044 | 0.002                 | 0.001                      | 01/14/2022 | 13:40     |
| 19  | N1097-16   |            | 1  | 2.57                | 100            | 7.08    | 2.09     | 0.027          | 0.028 | 0.001                 | -0.001                     | 01/14/2022 | 13:41     |
| 20  | N1112-01   |            | 1  | 2.55                | 100            | 7.14    | 1.88     | 0.021          | 0.022 | 0.001                 | -0.001                     | 01/14/2022 | 13:42     |
| 21  | N1112-04   |            | 1  | 2.54                | 100            | 7.34    | 1.75     | 0.035          | 0.037 | 0.002                 | 0.001                      | 01/14/2022 | 13:43     |
| 22  | N1121-01   |            | 1  | 2.56                | 100            | 7.25    | 1.92     | 0.021          | 0.022 | 0.001                 | -0.001                     | 01/14/2022 | 13:44     |
| 23  | N1124-03   |            | 1  | 2.58                | 100            | 7.14    | 2.34     | 0.025          | 0.026 | 0.001                 | -0.001                     | 01/14/2022 | 13:45     |
| 24  | N1130-01   |            | 1  | 2.59                | 100            | 7.05    | 2.14     | 0.037          | 0.038 | 0.001                 | -0.001                     | 01/14/2022 | 13:46     |
| 25  | N1130-04   |            | 1  | 2.58                | 100            | 7.72    | 1.98     | 0.020          | 0.020 | 0.000                 | -0.002                     | 01/14/2022 | 13:47     |
| 26  | N1136-01   |            | 1  | 2.56                | 100            | 7.56    | 1.75     | 0.018          | 0.018 | 0.000                 | -0.002                     | 01/14/2022 | 13:48     |
| 27  | N1136-04   |            | 1  | 2.58                | 100            | 7.64    | 1.82     | 0.021          | 0.022 | 0.001                 | -0.001                     | 01/14/2022 | 13:50     |
| 28  | CCV3       | 0.5        | 1  | 100                 | 100            | 7.28    | 2.08     | 0.000          | 0.377 | 0.377                 | 0.488                      | 01/14/2022 | 13:51     |
| 29  | CCB3       |            | 1  | 100                 | 100            | 7.49    | 2.34     | 0.000          | 0.002 | 0.002                 | 0.001                      | 01/14/2022 | 13:52     |