

# Alytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB112550

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP88788   |
| Calibration Std. hexchrome 0.05 ppm      | WP88789   |
| calibration std. hexchrome 0.01 ppm      | WP88790   |
| calibration std. hexchrome 0 ppm         | WP88791   |
| hexavalent chromium color reagent        | WP88794   |
| 5N sulfuric acid                         | WP88023   |
| HNO3 Hex-Chrome, 5M                      | WP88022   |
| Hexchrome Cleaning Solution              | WP88024   |
| Calibration Std Hexachrome 0.025 ppm     | WP88793   |
| Hexavalent Chromium ICV-LCS Std          | WP88792   |
| Calibration and CCV std HexChrome 0.5PPM | WP88787   |
| Calibration std HexChrome 1.0PPM         | WP88786   |

Intercept: 0.0008

Slope: 0.7635

Regression: 0.999998

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb. at 540 |       | Absorbance Difference | Anal Date  | Anal Time |
|-----|--------|-------------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|------------|-----------|
|     |        |                   |    |                     |                |         |          | Backgrnd       | Color |                       |            |           |
| 1   | CAL1   | 0                 | 1  | 100                 | 100            | 7.18    | 2.14     | 0.000          | 0.000 | 0.000                 | 12/29/2020 | 11:35     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            | 7.24    | 2.24     | 0.001          | 0.009 | 0.008                 | 12/29/2020 | 11:36     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            | 7.42    | 1.98     | 0.002          | 0.022 | 0.020                 | 12/29/2020 | 11:37     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            | 7.36    | 1.88     | 0.002          | 0.041 | 0.039                 | 12/29/2020 | 11:38     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            | 7.54    | 2.07     | 0.001          | 0.079 | 0.078                 | 12/29/2020 | 11:39     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            | 7.14    | 1.96     | 0.002          | 0.385 | 0.383                 | 12/29/2020 | 11:40     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            | 7.35    | 2.14     | 0.001          | 0.765 | 0.764                 | 12/29/2020 | 11:41     |



# Analytical Summary Report

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| Seq | Lab ID          | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb. at 540 |       | Absorbance Difference | Result | Anal Date  | Anal Time |
|-----|-----------------|-------------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|--------|------------|-----------|
|     |                 |                   |    |                     |                |         |          | Backgrnd       | Color |                       |        |            |           |
| 1   | ICV             | 0.5               | 1  | 100                 | 100            | 7.09    | 2.14     | 0.001          | 0.385 | 0.384                 | 0.502  | 12/29/2020 | 11:42     |
| 2   | ICB             |                   | 1  | 100                 | 100            | 7.24    | 2.34     | 0.000          | 0.000 | 0.000                 | -0.001 | 12/29/2020 | 11:43     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            | 7.37    | 1.95     | 0.000          | 0.383 | 0.383                 | 0.501  | 12/29/2020 | 11:44     |
| 4   | CCB1            |                   | 1  | 100                 | 100            | 7.54    | 1.86     | 0.000          | 0.000 | 0.000                 | -0.001 | 12/29/2020 | 11:45     |
| 5   | PB133814BL      |                   | 1  | 2.50                | 100            | 7.18    | 2.25     | 0.000          | 0.000 | 0.000                 | -0.001 | 12/29/2020 | 11:46     |
| 6   | PB133814BS      | 20                | 1  | 2.50                | 100            | 7.37    | 1.78     | 0.002          | 0.355 | 0.353                 | 0.461  | 12/29/2020 | 11:47     |
| 7   | L4950-06        |                   | 1  | 2.53                | 100            | 7.15    | 2.14     | 0.013          | 0.015 | 0.002                 | 0.002  | 12/29/2020 | 11:48     |
| 8   | L5207-01        |                   | 1  | 2.52                | 100            | 7.34    | 2.35     | 0.015          | 0.017 | 0.002                 | 0.002  | 12/29/2020 | 11:49     |
| 9   | L5207-01DUP     |                   | 1  | 2.51                | 100            | 7.25    | 1.95     | 0.016          | 0.018 | 0.002                 | 0.002  | 12/29/2020 | 11:50     |
| 10  | L5207-01MSPre   | 40                | 2  | 2.52                | 100            | 7.55    | 2.08     | 0.012          | 0.355 | 0.343                 | 0.448  | 12/29/2020 | 11:51     |
| 11  | L5207-01MS2Ins  | 1284              | 40 | 2.54                | 100            | 7.14    | 1.86     | 0.010          | 0.653 | 0.643                 | 0.841  | 12/29/2020 | 11:52     |
| 12  | L5207-01MS3Post | 40                | 2  | 2.53                | 100            | 7.64    | 2.37     | 0.014          | 0.369 | 0.355                 | 0.464  | 12/29/2020 | 11:53     |
| 13  | CCV2            | 0.5               | 1  | 100                 | 100            | 7.24    | 2.17     | 0.000          | 0.381 | 0.381                 | 0.498  | 12/29/2020 | 11:54     |
| 14  | CCB2            |                   | 1  | 100                 | 100            | 7.12    | 2.18     | 0.000          | 0.000 | 0.000                 | -0.001 | 12/29/2020 | 11:55     |