

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB107630

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP81963   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP81964   |
| Calibration Std. hexchrome 0.1 ppm    | WP81965   |
| Calibration Std. hexchrome 0.05 ppm   | WP81966   |
| calibration std. hexchrome 0.01 ppm   | WP81967   |
| calibration std. hexchrome 0 ppm      | WP81968   |
| Hexavalent Chromium ICV Std.          | WP81969   |
| Hexavalent Chromium CCV Std           | WP81970   |
| Hexavalent Chromium LCS Std           | WP81971   |
| hexavalent chromium color reagent     | WP81846   |
| 5N sulfuric acid                      | WP79628   |
| Calibration Std Hexachrome 0.025 ppm  | WP81972   |

Intercept: 0.0003

Slope: 0.7553

Regression: 0.999992

| 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            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 02/07/2020 | 11:26     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.007 | 0.007                 | 02/07/2020 | 11:27     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.019 | 0.019                 | 02/07/2020 | 11:28     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.037 | 0.037                 | 02/07/2020 | 11:29     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.078 | 0.078                 | 02/07/2020 | 11:30     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.09     | 0.000          | 0.379 | 0.379                 | 02/07/2020 | 11:31     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.755 | 0.755                 | 02/07/2020 | 11:32     |

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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            |         | 2.04     | 0.000          | 0.412 | 0.412                 | 0.545  | 02/07/2020 | 11:33     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/07/2020 | 11:34     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.09     | 0.000          | 0.389 | 0.389                 | 0.515  | 02/07/2020 | 11:35     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/07/2020 | 11:36     |
| 5   | PB126675BL      |                   | 1  | 2.50                | 100            | 7.06    | 2.04     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/07/2020 | 11:37     |
| 6   | PB126675BS      | 20                | 1  | 2.51                | 100            | 7.04    | 2.06     | 0.000          | 0.352 | 0.352                 | 0.466  | 02/07/2020 | 11:38     |
| 7   | L1431-01        |                   | 1  | 2.53                | 100            | 7.06    | 2.05     | 0.012          | 0.012 | 0.000                 | 0.000  | 02/07/2020 | 11:39     |
| 8   | L1431-01DUP     |                   | 1  | 2.52                | 100            | 7.05    | 2.03     | 0.011          | 0.012 | 0.001                 | 0.001  | 02/07/2020 | 11:40     |
| 9   | L1431-01MSPre   | 40                | 2  | 2.51                | 100            | 7.03    | 2.04     | 0.009          | 0.345 | 0.336                 | 0.444  | 02/07/2020 | 11:41     |
| 10  | L1431-01MS2Ins  | 1284              | 40 | 2.53                | 100            | 7.04    | 2.05     | 0.008          | 0.661 | 0.653                 | 0.864  | 02/07/2020 | 11:42     |
| 11  | L1431-01MS3Post | 40                | 2  | 2.54                | 100            | 7.09    | 2.06     | 0.009          | 0.371 | 0.362                 | 0.479  | 02/07/2020 | 11:43     |
| 12  | L1431-04        |                   | 1  | 2.52                | 100            | 7.05    | 2.03     | 0.017          | 0.018 | 0.001                 | 0.001  | 02/07/2020 | 11:44     |
| 13  | L1431-07        |                   | 1  | 2.50                | 100            | 7.06    | 2.02     | 0.009          | 0.009 | 0.000                 | 0.000  | 02/07/2020 | 11:45     |
| 14  | L1431-10        |                   | 1  | 2.52                | 100            | 7.04    | 2.01     | 0.032          | 0.034 | 0.002                 | 0.002  | 02/07/2020 | 11:46     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.390 | 0.390                 | 0.516  | 02/07/2020 | 11:47     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/07/2020 | 11:48     |
| 17  | L1433-01        |                   | 1  | 2.53                | 100            | 7.04    | 2.04     | 0.018          | 0.020 | 0.002                 | 0.002  | 02/07/2020 | 11:49     |
| 18  | L1439-01        |                   | 1  | 2.52                | 100            | 7.02    | 2.05     | 0.036          | 0.038 | 0.002                 | 0.002  | 02/07/2020 | 11:50     |
| 19  | L1439-02        |                   | 1  | 2.54                | 100            | 7.04    | 2.09     | 0.014          | 0.015 | 0.001                 | 0.001  | 02/07/2020 | 11:51     |
| 20  | L1439-03        |                   | 1  | 2.55                | 100            | 7.09    | 2.08     | 0.034          | 0.036 | 0.002                 | 0.002  | 02/07/2020 | 11:52     |
| 21  | L1439-04        |                   | 1  | 2.53                | 100            | 7.07    | 2.07     | 0.084          | 0.085 | 0.001                 | 0.001  | 02/07/2020 | 11:53     |
| 22  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.385 | 0.385                 | 0.509  | 02/07/2020 | 11:54     |
| 23  | CCB3            |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/07/2020 | 11:55     |