

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: chirag

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB106028

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP79482   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP79483   |
| Calibration Std. hexchrome 0.1 ppm    | WP79488   |
| Calibration Std. hexchrome 0.05 ppm   | WP79487   |
| calibration std. hexchrome 0.01 ppm   | WP79486   |
| calibration std. hexchrome 0 ppm      | WP79485   |
| Hexavalent Chromium ICV Std.          | WP79490   |
| Hexavalent Chromium CCV Std           | WP79489   |
| Hexavalent Chromium LCS Std           | WP79491   |
| hexavalent chromium color reagent     | WP79393   |
| 5N sulfuric acid                      | WP76600   |
| Calibration std Hexachrome, 0.025ppm  | WP79484   |

Intercept: -0.0001

Slope: 0.7998

Regression: 0.999997

| 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            |         | 1.56     | 0.000          | 0.000 | 0.000                 | 10/30/2019 | 14:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.008 | 0.008                 | 10/30/2019 | 14:00     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.020 | 0.020                 | 10/30/2019 | 14:01     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.039 | 0.039                 | 10/30/2019 | 14:01     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.081 | 0.081                 | 10/30/2019 | 14:02     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.399 | 0.399                 | 10/30/2019 | 14:02     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.800 | 0.800                 | 10/30/2019 | 14:03     |

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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            |         | 2.10     | 0.000          | 0.378 | 0.378                 | 0.473  | 10/30/2019 | 14:04     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/30/2019 | 14:04     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.389 | 0.389                 | 0.486  | 10/30/2019 | 14:05     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/30/2019 | 14:05     |
| 5   | PB124434BL      |                   | 1  | 2.52                | 100            | 7.12    | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/30/2019 | 14:06     |
| 6   | PB124434BS      | 20                | 1  | 2.52                | 100            | 7.15    | 1.60     | 0.000          | 0.387 | 0.387                 | 0.484  | 10/30/2019 | 14:06     |
| 7   | K5148-13        |                   | 1  | 2.53                | 100            | 7.12    | 1.56     | 0.012          | 0.012 | 0.000                 | 0.000  | 10/30/2019 | 14:07     |
| 8   | K5148-13DUP     |                   | 1  | 2.51                | 100            | 7.50    | 2.05     | 0.012          | 0.012 | 0.000                 | 0.000  | 10/30/2019 | 14:07     |
| 9   | K5148-13MSPre   | 40                | 2  | 2.50                | 100            | 7.50    | 2.05     | 0.012          | 0.371 | 0.359                 | 0.449  | 10/30/2019 | 14:08     |
| 10  | K5148-13MS2Ins  | 1284              | 40 | 2.50                | 100            | 7.12    | 1.56     | 0.012          | 0.661 | 0.649                 | 0.812  | 10/30/2019 | 14:08     |
| 11  | K5148-13MS3Post | 40                | 2  | 2.54                | 100            | 7.85    | 2.10     | 0.012          | 0.391 | 0.379                 | 0.474  | 10/30/2019 | 14:09     |
| 12  | K5602-01        |                   | 1  | 2.52                | 100            | 7.12    | 2.01     | 0.016          | 0.016 | 0.000                 | 0.000  | 10/30/2019 | 14:10     |
| 13  | K5602-02        |                   | 1  | 2.51                | 100            | 7.15    | 1.56     | 0.017          | 0.017 | 0.000                 | 0.000  | 10/30/2019 | 14:10     |
| 14  | K5602-03        |                   | 1  | 2.50                | 100            | 7.12    | 2.10     | 0.019          | 0.019 | 0.000                 | 0.000  | 10/30/2019 | 14:11     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.386 | 0.386                 | 0.483  | 10/30/2019 | 14:12     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/30/2019 | 14:12     |
| 17  | K5602-04        |                   | 1  | 2.54                | 100            | 7.65    | 1.56     | 0.016          | 0.016 | 0.000                 | 0.000  | 10/30/2019 | 14:13     |
| 18  | K5602-05        |                   | 1  | 2.52                | 100            | 7.15    | 1.60     | 0.017          | 0.017 | 0.000                 | 0.000  | 10/30/2019 | 14:13     |
| 19  | K5603-01        |                   | 1  | 2.52                | 100            | 7.50    | 2.00     | 0.018          | 0.018 | 0.000                 | 0.000  | 10/30/2019 | 14:14     |
| 20  | K5603-02        |                   | 1  | 2.51                | 100            | 7.12    | 2.10     | 0.015          | 0.015 | 0.000                 | 0.000  | 10/30/2019 | 14:15     |
| 21  | K5609-07        |                   | 1  | 2.50                | 100            | 7.15    | 2.10     | 0.030          | 2.819 | 2.789                 | 3.487  | 10/30/2019 | 14:16     |
| 22  | K5609-07        |                   | 10 | 2.50                | 100            | 7.15    | 2.10     | 0.002          | 0.321 | 0.319                 | 0.399  | 10/30/2019 | 14:17     |
| 23  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.387 | 0.387                 | 0.484  | 10/30/2019 | 14:18     |
| 24  | CCB3            |                   | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/30/2019 | 14:18     |