

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Aparna

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB102811

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP74800   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP74801   |
| Calibration Std. hexchrome 0.1 ppm    | WP74806   |
| Calibration Std. hexchrome 0.05 ppm   | WP74805   |
| calibration std. hexchrome 0.01 ppm   | WP74804   |
| calibration std. hexchrome 0 ppm      | WP74803   |
| Hexavalent Chromium ICV Std.          | WP74808   |
| Hexavalent Chromium CCV Std           | WP74807   |
| Hexavalent Chromium LCS Std           | WP74809   |
| hexavalent chromium color reagent     | WP74810   |
| 5N sulfuric acid                      | WP74163   |
| Calibration std Hexachrome, 0.025ppm  | WP74802   |

Intercept: 0.0005

Slope: 0.7719

Regression: 0.999984

| 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            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 05/17/2019 | 11:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.007 | 0.007                 | 05/17/2019 | 11:00     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.018 | 0.018                 | 05/17/2019 | 11:02     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.040 | 0.040                 | 05/17/2019 | 11:02     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.079 | 0.079                 | 05/17/2019 | 11:03     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.389 | 0.389                 | 05/17/2019 | 11:03     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.771 | 0.771                 | 05/17/2019 | 11:04     |

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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            |         | 1.60     | 0.000          | 0.392 | 0.392                 | 0.507  | 05/17/2019 | 11:04     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 11:05     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.392 | 0.392                 | 0.507  | 05/17/2019 | 11:05     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 1.70     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 11:06     |
| 5   | PB119827BL      |                   | 1  | 2.50                | 100            | 7.25    | 1.58     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 11:07     |
| 6   | PB119827BS      | 20                | 1  | 2.51                | 100            | 7.65    | 2.05     | 0.005          | 0.352 | 0.347                 | 0.449  | 05/17/2019 | 11:07     |
| 7   | K2643-05        |                   | 1  | 2.53                | 100            | 7.13    | 1.90     | 0.013          | 0.013 | 0.000                 | -0.001 | 05/17/2019 | 11:08     |
| 8   | K2643-07        |                   | 1  | 2.51                | 100            | 7.30    | 2.15     | 0.023          | 0.023 | 0.000                 | -0.001 | 05/17/2019 | 11:08     |
| 9   | K2648-01        |                   | 1  | 2.50                | 100            | 7.66    | 2.45     | 0.022          | 0.033 | 0.011                 | 0.014  | 05/17/2019 | 11:09     |
| 10  | K2648-01DUP     |                   | 1  | 2.53                | 100            | 7.15    | 2.40     | 0.021          | 0.032 | 0.011                 | 0.014  | 05/17/2019 | 11:09     |
| 11  | K2648-01MSPre   | 40                | 2  | 2.54                | 100            | 7.26    | 2.01     | 0.031          | 0.264 | 0.233                 | 0.301  | 05/17/2019 | 11:10     |
| 12  | K2648-01MS2Ins  | 1284              | 40 | 2.52                | 100            | 7.45    | 2.03     | 0.005          | 0.671 | 0.666                 | 0.862  | 05/17/2019 | 11:10     |
| 13  | K2648-01MS3Post | 40                | 2  | 2.50                | 100            | 7.35    | 2.05     | 0.029          | 0.309 | 0.280                 | 0.362  | 05/17/2019 | 11:11     |
| 14  | K2869-09        |                   | 1  | 2.50                | 100            | 7.68    | 2.16     | 0.009          | 0.009 | 0.000                 | -0.001 | 05/17/2019 | 11:11     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 1.85     | 0.000          | 0.391 | 0.391                 | 0.506  | 05/17/2019 | 11:12     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 11:12     |
| 17  | K2880-01        |                   | 1  | 2.51                | 100            | 7.89    | 2.08     | 0.012          | 0.019 | 0.007                 | 0.008  | 05/17/2019 | 11:12     |
| 18  | K2881-01        |                   | 1  | 2.53                | 100            | 7.05    | 2.25     | 0.073          | 0.073 | 0.000                 | -0.001 | 05/17/2019 | 11:13     |
| 19  | K2896-03        |                   | 1  | 2.52                | 100            | 7.36    | 1.70     | 0.008          | 0.008 | 0.000                 | -0.001 | 05/17/2019 | 11:13     |
| 20  | K2896-07        |                   | 1  | 2.53                | 100            | 7.50    | 1.95     | 0.009          | 0.009 | 0.000                 | -0.001 | 05/17/2019 | 11:14     |
| 21  | K2900-02        |                   | 1  | 2.52                | 100            | 7.05    | 1.83     | 0.386          | 0.386 | 0.000                 | -0.001 | 05/17/2019 | 11:14     |
| 22  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.12     | 0.000          | 0.390 | 0.390                 | 0.505  | 05/17/2019 | 11:15     |
| 23  | CCB3            |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 11:15     |