

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB106669

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP80379   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP80380   |
| Calibration Std. hexchrome 0.1 ppm    | WP80385   |
| Calibration Std. hexchrome 0.05 ppm   | WP80384   |
| calibration std. hexchrome 0.01 ppm   | WP80383   |
| calibration std. hexchrome 0 ppm      | WP80382   |
| Hexavalent Chromium ICV Std.          | WP80387   |
| Hexavalent Chromium CCV Std           | WP80386   |
| Hexavalent Chromium LCS Std           | WP80388   |
| hexavalent chromium color reagent     | WP80389   |
| 5N sulfuric acid                      | WP79628   |
| Calibration std Hexachrome, 0.025ppm  | WP80381   |

Intercept: -0.0021

Slope: 0.8053

Regression: 0.999979

| 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            |         | 1.98     | 0.000          | 0.000 | 0.000                 | 12/10/2019 | 08:30     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.007 | 0.007                 | 12/10/2019 | 08:30     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 1.89     | 0.000          | 0.018 | 0.018                 | 12/10/2019 | 08:31     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.97     | 0.001          | 0.038 | 0.037                 | 12/10/2019 | 08:31     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.078 | 0.078                 | 12/10/2019 | 08:32     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.001          | 0.398 | 0.397                 | 12/10/2019 | 08:32     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 1.94     | 0.000          | 0.805 | 0.805                 | 12/10/2019 | 08:33     |

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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            |         | 2.05     | 0.000          | 0.394 | 0.394                 | 0.492  | 12/10/2019 | 08:33     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 0.003  | 12/10/2019 | 08:34     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 1.97     | 0.000          | 0.402 | 0.402                 | 0.502  | 12/10/2019 | 08:34     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.000 | 0.000                 | 0.003  | 12/10/2019 | 08:35     |
| 5   | PB125317BL      |                   | 1  | 2.53                | 100            | 7.22    | 2.06     | 0.000          | 0.000 | 0.000                 | 0.003  | 12/10/2019 | 08:35     |
| 6   | PB125317BS      | 20                | 1  | 2.52                | 100            | 7.16    | 1.95     | 0.005          | 0.358 | 0.353                 | 0.441  | 12/10/2019 | 08:36     |
| 7   | K6111-01        |                   | 1  | 2.53                | 100            | 7.26    | 2.03     | 0.033          | 0.035 | 0.002                 | 0.005  | 12/10/2019 | 08:36     |
| 8   | K6111-01DUP     |                   | 1  | 2.51                | 100            | 7.23    | 2.05     | 0.034          | 0.036 | 0.002                 | 0.005  | 12/10/2019 | 08:37     |
| 9   | K6111-01MSPre   | 40                | 2  | 2.50                | 100            | 7.07    | 2.09     | 0.034          | 0.092 | 0.058                 | 0.075  | 12/10/2019 | 08:37     |
| 10  | K6111-01MS2Ins  | 1284              | 40 | 2.54                | 100            | 7.06    | 2.04     | 0.000          | 0.652 | 0.652                 | 0.812  | 12/10/2019 | 08:38     |
| 11  | K6111-01MS3Post | 40                | 2  | 2.51                | 100            | 7.06    | 1.96     | 0.035          | 0.163 | 0.128                 | 0.162  | 12/10/2019 | 08:38     |
| 12  | K6113-01        |                   | 1  | 2.52                | 100            | 7.08    | 1.94     | 0.049          | 0.050 | 0.001                 | 0.004  | 12/10/2019 | 08:39     |
| 13  | K6117-01        |                   | 1  | 2.53                | 100            | 7.03    | 2.06     | 0.056          | 0.057 | 0.001                 | 0.004  | 12/10/2019 | 08:39     |
| 14  | K6118-01        |                   | 1  | 2.54                | 100            | 7.09    | 2.07     | 0.090          | 0.091 | 0.001                 | 0.004  | 12/10/2019 | 08:40     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.385 | 0.385                 | 0.481  | 12/10/2019 | 08:40     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.000 | 0.000                 | 0.003  | 12/10/2019 | 08:41     |
| 17  | K6188-01        |                   | 1  | 2.51                | 100            | 7.05    | 1.94     | 0.055          | 0.056 | 0.001                 | 0.004  | 12/10/2019 | 08:41     |
| 18  | K6188-05        |                   | 1  | 2.50                | 100            | 7.04    | 2.06     | 0.067          | 0.069 | 0.002                 | 0.005  | 12/10/2019 | 08:42     |
| 19  | K6194-02        |                   | 1  | 2.52                | 100            | 7.06    | 2.07     | 0.070          | 0.071 | 0.001                 | 0.004  | 12/10/2019 | 08:42     |
| 20  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 1.94     | 0.000          | 0.380 | 0.380                 | 0.474  | 12/10/2019 | 08:43     |
| 21  | CCB3            |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 0.003  | 12/10/2019 | 08:43     |