

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Aparna

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB100853

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP71720   |
| Calibration Std. hexchrome 0.05 ppm   | WP71719   |
| 5N sulfuric acid                      | WP70044   |
| Calibratation STD HexaChrome 1 PPM    | WP71714   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP71715   |
| calibration std. hexchrome 0.01 ppm   | WP71718   |
| calibration std. hexchrome 0 ppm      | WP71717   |
| Hexavalent Chromium ICV Std.          | WP71722   |
| Hexavalent Chromium CCV Std           | WP71721   |
| hexavalent chromium color reagent     | WP71723   |
| HNO3 Hex-Chrome, 5M                   | WP70045   |
| Calibration std Hexachrome, 0.025ppm  | WP71716   |

Intercept: 0.0002

Slope: 0.7719

Regression: 0.999962

| 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            |         | 2.00     | 0.000          | 0.000 | 0.000                 | 02/15/2019 | 10:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.97     | 0.000          | 0.007 | 0.007                 | 02/15/2019 | 11:00     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.016 | 0.016                 | 02/15/2019 | 11:01     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.76     | 0.000          | 0.039 | 0.039                 | 02/15/2019 | 11:01     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.080 | 0.080                 | 02/15/2019 | 11:02     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.390 | 0.390                 | 02/15/2019 | 11:02     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.16     | 0.000          | 0.770 | 0.770                 | 02/15/2019 | 11:03     |

Analysis Method: 7196A

ANALYST: Aparna

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB100853

pH Meter ID: WC PH METER-1

| 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            |         | 1.52     | 0.000          | 0.392 | 0.392                 | 0.508  | 02/15/2019 | 11:03     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 1.58     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/15/2019 | 11:04     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 1.68     | 0.000          | 0.393 | 0.393                 | 0.509  | 02/15/2019 | 11:04     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.00     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/15/2019 | 11:05     |
| 5   | PB117136BL      |                   | 1  | 2.50                | 100            | 7.65    | 2.19     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/15/2019 | 11:05     |
| 6   | PB117136BS      | 20                | 1  | 2.53                | 100            | 7.50    | 2.45     | 0.000          | 0.359 | 0.359                 | 0.465  | 02/15/2019 | 11:06     |
| 7   | K1346-07        |                   | 1  | 2.50                | 100            | 7.85    | 2.35     | 0.005          | 0.005 | 0.000                 | 0.000  | 02/15/2019 | 11:06     |
| 8   | K1346-07DUP     |                   | 1  | 2.52                | 100            | 7.14    | 1.68     | 0.005          | 0.005 | 0.000                 | 0.000  | 02/15/2019 | 11:07     |
| 9   | K1346-07MSPre   | 40                | 2  | 2.55                | 100            | 7.25    | 1.78     | 0.006          | 0.022 | 0.016                 | 0.020  | 02/15/2019 | 11:08     |
| 10  | K1346-07MS2Ins  | 1284              | 40 | 2.54                | 100            | 7.23    | 1.72     | 0.000          | 0.609 | 0.609                 | 0.789  | 02/15/2019 | 11:13     |
| 11  | K1346-07MS3Post | 40                | 2  | 2.55                | 100            | 7.36    | 1.76     | 0.007          | 0.049 | 0.042                 | 0.054  | 02/15/2019 | 11:13     |
| 12  | K1346-09        |                   | 1  | 2.52                | 100            | 7.55    | 2.01     | 0.121          | 0.121 | 0.000                 | 0.000  | 02/15/2019 | 11:14     |
| 13  | K1346-11        |                   | 1  | 2.54                | 100            | 7.85    | 1.64     | 0.017          | 0.017 | 0.000                 | 0.000  | 02/15/2019 | 11:14     |
| 14  | K1346-13        |                   | 1  | 2.53                | 100            | 7.25    | 1.75     | 0.016          | 0.016 | 0.000                 | 0.000  | 02/15/2019 | 11:15     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.385 | 0.385                 | 0.499  | 02/15/2019 | 11:15     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 1.62     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/15/2019 | 11:16     |
| 17  | K1346-15        |                   | 1  | 2.53                | 100            | 7.54    | 1.87     | 0.027          | 0.027 | 0.000                 | 0.000  | 02/15/2019 | 11:16     |
| 18  | K1358-03        |                   | 1  | 2.55                | 100            | 7.30    | 1.62     | 0.018          | 0.018 | 0.000                 | 0.000  | 02/15/2019 | 11:17     |
| 19  | K1484-03        |                   | 1  | 2.50                | 100            | 7.82    | 1.70     | 0.013          | 0.013 | 0.000                 | 0.000  | 02/15/2019 | 11:18     |
| 20  | K1484-07        |                   | 1  | 2.54                | 100            | 7.35    | 1.90     | 0.009          | 0.009 | 0.000                 | 0.000  | 02/15/2019 | 11:18     |
| 21  | K1484-11        |                   | 1  | 2.55                | 100            | 7.65    | 1.55     | 0.013          | 0.013 | 0.000                 | 0.000  | 02/15/2019 | 11:19     |
| 22  | K1484-15        |                   | 1  | 2.50                | 100            | 7.16    | 1.57     | 0.011          | 0.011 | 0.000                 | 0.000  | 02/15/2019 | 11:20     |
| 23  | K1486-01        |                   | 1  | 2.53                | 100            | 7.88    | 1.78     | 0.026          | 0.026 | 0.000                 | 0.000  | 02/15/2019 | 11:20     |
| 24  | K1490-01        |                   | 1  | 2.53                | 100            | 7.68    | 1.66     | 0.038          | 0.038 | 0.000                 | 0.000  | 02/15/2019 | 11:21     |
| 25  | K1500-01        |                   | 1  | 2.55                | 100            | 7.33    | 1.54     | 0.018          | 0.018 | 0.000                 | 0.000  | 02/15/2019 | 11:21     |
| 26  | K1501-01        |                   | 1  | 2.55                | 100            | 7.45    | 1.65     | 0.015          | 0.015 | 0.000                 | 0.000  | 02/15/2019 | 11:22     |
| 27  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.380 | 0.380                 | 0.492  | 02/15/2019 | 11:22     |
| 28  | CCB3            |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/15/2019 | 11:24     |
| 29  | K1502-01        |                   | 1  | 2.51                | 100            | 7.60    | 2.00     | 0.067          | 0.067 | 0.000                 | 0.000  | 02/15/2019 | 11:24     |
| 30  | CCV4            | 0.5               | 1  | 100                 | 100            |         | 1.85     | 0.000          | 0.375 | 0.375                 | 0.486  | 02/15/2019 | 11:25     |
| 31  | CCB4            |                   | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.000 | 0.000                 | 0.000  | 02/15/2019 | 11:25     |