

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: chirag

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB105180

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP78073   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP78074   |
| Calibration Std. hexchrome 0.1 ppm    | WP78079   |
| Calibration Std. hexchrome 0.05 ppm   | WP78078   |
| calibration std. hexchrome 0.01 ppm   | WP78077   |
| calibration std. hexchrome 0 ppm      | WP78076   |
| Hexavalent Chromium ICV Std.          | WP78081   |
| Hexavalent Chromium CCV Std           | WP78080   |
| Hexavalent Chromium LCS Std           | WP78082   |
| hexavalent chromium color reagent     | WP77968   |
| 5N sulfuric acid                      | WP76600   |
| Calibration std Hexachrome, 0.025ppm  | WP78075   |

Intercept: -0.0002

Slope: 0.8003

Regression: 0.999994

| 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            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 09/17/2019 | 12:12     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.008 | 0.008                 | 09/17/2019 | 12:12     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.020 | 0.020                 | 09/17/2019 | 12:13     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.039 | 0.039                 | 09/17/2019 | 12:13     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.081 | 0.081                 | 09/17/2019 | 12:14     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.398 | 0.398                 | 09/17/2019 | 12:15     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.801 | 0.801                 | 09/17/2019 | 12:15     |

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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          | 0.386 | 0.386                 | 0.483  | 09/17/2019 | 12:16     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | 0.000  | 09/17/2019 | 12:16     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.375 | 0.375                 | 0.469  | 09/17/2019 | 12:17     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | 0.000  | 09/17/2019 | 12:17     |
| 5   | PB123169BL      |                   | 1  | 2.52                | 100            | 7.12    | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000  | 09/17/2019 | 12:18     |
| 6   | PB123169BS      | 20                | 1  | 2.54                | 100            | 7.25    | 1.65     | 0.000          | 0.372 | 0.372                 | 0.465  | 09/17/2019 | 12:19     |
| 7   | K4661-04        |                   | 1  | 2.53                | 100            | 7.15    | 1.60     | 0.020          | 0.020 | 0.000                 | 0.000  | 09/17/2019 | 12:20     |
| 8   | K4664-06        |                   | 1  | 2.51                | 100            | 7.15    | 1.60     | 0.022          | 0.022 | 0.000                 | 0.000  | 09/17/2019 | 12:20     |
| 9   | K4666-12        |                   | 1  | 2.50                | 100            | 7.15    | 2.10     | 0.028          | 0.028 | 0.000                 | 0.000  | 09/17/2019 | 12:21     |
| 10  | K4886-03        |                   | 1  | 2.50                | 100            | 7.12    | 2.10     | 0.013          | 0.013 | 0.000                 | 0.000  | 09/17/2019 | 12:22     |
| 11  | K4889-01        |                   | 1  | 2.54                | 100            | 7.12    | 1.56     | 0.022          | 0.022 | 0.000                 | 0.000  | 09/17/2019 | 12:23     |
| 12  | K4889-01DUP     |                   | 1  | 2.52                | 100            | 7.50    | 2.01     | 0.022          | 0.022 | 0.000                 | 0.000  | 09/17/2019 | 12:23     |
| 13  | K4889-01MSPre   | 40                | 2  | 2.51                | 100            | 7.25    | 1.60     | 0.022          | 0.376 | 0.354                 | 0.443  | 09/17/2019 | 12:24     |
| 14  | K4889-01MS2Ins  | 1284              | 40 | 2.54                | 100            | 7.50    | 2.10     | 0.022          | 0.681 | 0.659                 | 0.824  | 09/17/2019 | 12:25     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.385 | 0.385                 | 0.481  | 09/17/2019 | 12:25     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.000 | 0.000                 | 0.000  | 09/17/2019 | 12:26     |
| 17  | K4889-01MS3Post | 40                | 2  | 2.53                | 100            | 7.15    | 2.00     | 0.022          | 0.395 | 0.373                 | 0.466  | 09/17/2019 | 12:26     |
| 18  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.389 | 0.389                 | 0.486  | 09/17/2019 | 12:28     |
| 19  | CCB3            |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.000 | 0.000                 | 0.000  | 09/17/2019 | 12:28     |