

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB109386

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP84559   |
| Calibration Std. hexchrome 0.05 ppm      | WP84560   |
| calibration std. hexchrome 0.01 ppm      | WP84561   |
| calibration std. hexchrome 0 ppm         | WP84562   |
| hexavalent chromium color reagent        | WP84498   |
| 5N sulfuric acid                         | WP84066   |
| HNO3 Hex-Chrome, 5M                      | WP84067   |
| Hexchrome Cleaning Solution              | WP84106   |
| Calibration Std Hexachrome 0.025 ppm     | WP84564   |
| Hexavalent Chromium ICV-LCS Std          | WP84563   |
| Calibration and CCV std HexChrome 0.5PPM | WP84558   |
| Calibration std HexChrome 1.0PPM         | WP84557   |

Intercept: -0.0004

Slope: 0.8001

Regression: 0.999998

| 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            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 06/01/2020 | 13:25     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.008 | 0.008                 | 06/01/2020 | 13:26     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.020 | 0.020                 | 06/01/2020 | 13:27     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.039 | 0.039                 | 06/01/2020 | 13:28     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.079 | 0.079                 | 06/01/2020 | 13:29     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.399 | 0.399                 | 06/01/2020 | 13:30     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.800 | 0.800                 | 06/01/2020 | 13:31     |

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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            |         | 2.07     | 0.000          | 0.382 | 0.382                 | 0.478  | 06/01/2020 | 13:32     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | 0.000  | 06/01/2020 | 13:33     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.377 | 0.377                 | 0.472  | 06/01/2020 | 13:34     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000  | 06/01/2020 | 13:35     |
| 5   | PB129180BL      |                   | 1  | 2.52                | 100            | 7.04    | 2.04     | 0.000          | 0.000 | 0.000                 | 0.000  | 06/01/2020 | 13:36     |
| 6   | PB129180BS      | 20                | 1  | 2.53                | 100            | 7.05    | 2.06     | 0.000          | 0.352 | 0.352                 | 0.440  | 06/01/2020 | 13:37     |
| 7   | L2503-11        |                   | 1  | 2.53                | 100            | 7.06    | 2.04     | 0.005          | 0.005 | 0.000                 | 0.000  | 06/01/2020 | 13:38     |
| 8   | L2503-11DUP     |                   | 1  | 2.55                | 100            | 7.03    | 2.06     | 0.004          | 0.005 | 0.001                 | 0.002  | 06/01/2020 | 13:39     |
| 9   | L2503-11MSPre   | 40                | 2  | 2.52                | 100            | 7.04    | 2.05     | 0.003          | 0.167 | 0.164                 | 0.205  | 06/01/2020 | 13:40     |
| 10  | L2503-11MS2Ins  | 1284              | 40 | 2.53                | 100            | 7.09    | 2.03     | 0.002          | 0.653 | 0.651                 | 0.814  | 06/01/2020 | 13:41     |
| 11  | L2503-11MS3Post | 40                | 2  | 2.54                | 100            | 7.08    | 2.04     | 0.003          | 0.335 | 0.332                 | 0.415  | 06/01/2020 | 13:42     |
| 12  | L2797-01        |                   | 1  | 2.56                | 100            | 7.07    | 2.08     | 0.010          | 0.012 | 0.002                 | 0.003  | 06/01/2020 | 13:43     |
| 13  | L2797-06        |                   | 1  | 2.55                | 100            | 7.04    | 2.07     | 0.011          | 0.012 | 0.001                 | 0.002  | 06/01/2020 | 13:44     |
| 14  | L2813-01        |                   | 1  | 2.56                | 100            | 7.05    | 2.09     | 0.007          | 0.007 | 0.000                 | 0.000  | 06/01/2020 | 13:45     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.375 | 0.375                 | 0.469  | 06/01/2020 | 13:46     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000  | 06/01/2020 | 13:47     |
| 17  | L2814-01        |                   | 1  | 2.58                | 100            | 7.03    | 2.03     | 0.010          | 0.011 | 0.001                 | 0.002  | 06/01/2020 | 13:48     |
| 18  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.374 | 0.374                 | 0.468  | 06/01/2020 | 13:49     |
| 19  | CCB3            |                   | 1  | 100                 | 100            |         | 2.09     | 0.000          | 0.000 | 0.000                 | 0.000  | 06/01/2020 | 13:50     |