

# Alytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB109840

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP85160   |
| Calibration Std. hexchrome 0.05 ppm      | WP85161   |
| calibration std. hexchrome 0.01 ppm      | WP85162   |
| calibration std. hexchrome 0 ppm         | WP85163   |
| hexavalent chromium color reagent        | WP85096   |
| 5N sulfuric acid                         | WP84066   |
| HNO3 Hex-Chrome, 5M                      | WP84067   |
| Hexchrome Cleaning Solution              | WP84106   |
| Calibration Std Hexachrome 0.025 ppm     | WP85165   |
| Hexavalent Chromium ICV-LCS Std          | WP85164   |
| Calibration and CCV std HexChrome 0.5PPM | WP85159   |
| Calibration std HexChrome 1.0PPM         | WP85158   |

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                 | 07/02/2020 | 11:32     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.008 | 0.008                 | 07/02/2020 | 11:33     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.020 | 0.020                 | 07/02/2020 | 11:34     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.039 | 0.039                 | 07/02/2020 | 11:35     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.079 | 0.079                 | 07/02/2020 | 11:36     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.399 | 0.399                 | 07/02/2020 | 11:37     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.800 | 0.800                 | 07/02/2020 | 11:38     |

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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            |         | 2.04     | 0.000          | 0.383 | 0.383                 | 0.479  | 07/02/2020 | 11:39     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/02/2020 | 11:40     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.378 | 0.378                 | 0.473  | 07/02/2020 | 11:41     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/02/2020 | 11:42     |
| 5   | PB129906BL      |                   | 1  | 2.51                | 100            | 7.04    | 2.07     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/02/2020 | 11:43     |
| 6   | PB129906BS      | 20                | 1  | 2.50                | 100            | 7.06    | 2.08     | 0.000          | 0.359 | 0.359                 | 0.449  | 07/02/2020 | 11:44     |
| 7   | L2811-05        |                   | 1  | 2.53                | 100            | 7.05    | 2.02     | 0.005          | 0.006 | 0.001                 | 0.002  | 07/02/2020 | 11:45     |
| 8   | L2811-05DUP     |                   | 1  | 2.52                | 100            | 7.03    | 2.03     | 0.004          | 0.006 | 0.002                 | 0.003  | 07/02/2020 | 11:46     |
| 9   | L2811-05MSPre   | 40                | 2  | 2.51                | 100            | 7.08    | 2.04     | 0.003          | 0.262 | 0.259                 | 0.324  | 07/02/2020 | 11:47     |
| 10  | L2811-05MS2Ins  | 1284              | 40 | 2.53                | 100            | 7.09    | 2.05     | 0.002          | 0.654 | 0.652                 | 0.815  | 07/02/2020 | 11:48     |
| 11  | L2811-05MS3Post | 40                | 2  | 2.50                | 100            | 7.07    | 2.06     | 0.003          | 0.332 | 0.329                 | 0.412  | 07/02/2020 | 11:49     |
| 12  | L2814-14        |                   | 1  | 2.53                | 100            | 7.02    | 2.07     | 0.007          | 0.008 | 0.001                 | 0.002  | 07/02/2020 | 11:50     |
| 13  | L3162-02        |                   | 1  | 2.56                | 100            | 7.05    | 2.06     | 0.029          | 0.031 | 0.002                 | 0.003  | 07/02/2020 | 11:51     |
| 14  | L3188-01        |                   | 1  | 2.58                | 100            | 7.06    | 2.03     | 0.010          | 0.011 | 0.001                 | 0.002  | 07/02/2020 | 11:52     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.377 | 0.377                 | 0.472  | 07/02/2020 | 11:53     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/02/2020 | 11:54     |
| 17  | L3197-02        |                   | 1  | 2.57                | 100            | 7.04    | 2.09     | 0.003          | 0.004 | 0.001                 | 0.002  | 07/02/2020 | 11:55     |
| 18  | L3197-08        |                   | 1  | 2.55                | 100            | 7.05    | 2.08     | 0.010          | 0.011 | 0.001                 | 0.002  | 07/02/2020 | 11:56     |
| 19  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.375 | 0.375                 | 0.469  | 07/02/2020 | 11:57     |
| 20  | CCB3            |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/02/2020 | 11:58     |