

# Alytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB111278

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP87203   |
| Calibration Std. hexchrome 0.05 ppm      | WP87204   |
| calibration std. hexchrome 0.01 ppm      | WP87208   |
| calibration std. hexchrome 0 ppm         | WP87206   |
| hexavalent chromium color reagent        | WP87209   |
| 5N sulfuric acid                         | WP84066   |
| HNO3 Hex-Chrome, 5M                      | WP84067   |
| Hexchrome Cleaning Solution              | WP84106   |
| Calibration Std Hexachrome 0.025 ppm     | WP87205   |
| Hexavalent Chromium ICV-LCS Std          | WP87207   |
| Calibration and CCV std HexChrome 0.5PPM | WP87202   |
| Calibration std HexChrome 1.0PPM         | WP87201   |

Intercept: 0.0001

Slope: 0.7991

Regression: 0.999996

| 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                 | 10/02/2020 | 13:50     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.008 | 0.008                 | 10/02/2020 | 13:51     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.021 | 0.021                 | 10/02/2020 | 13:52     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.040 | 0.040                 | 10/02/2020 | 13:53     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.080 | 0.080                 | 10/02/2020 | 13:54     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.398 | 0.398                 | 10/02/2020 | 13:55     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.800 | 0.800                 | 10/02/2020 | 13:56     |

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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  | 10/02/2020 | 13:57     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/02/2020 | 13:58     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.378 | 0.378                 | 0.473  | 10/02/2020 | 13:59     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/02/2020 | 14:00     |
| 5   | PB132069BL      |                   | 1  | 2.52                | 100            | 7.04    | 2.05     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/02/2020 | 14:01     |
| 6   | PB132069BS      | 20                | 1  | 2.51                | 100            | 7.09    | 2.08     | 0.000          | 0.353 | 0.353                 | 0.442  | 10/02/2020 | 14:02     |
| 7   | L4198-01        |                   | 1  | 2.53                | 100            | 7.06    | 2.02     | 0.010          | 0.011 | 0.001                 | 0.001  | 10/02/2020 | 14:03     |
| 8   | L4198-01DUP     |                   | 1  | 2.52                | 100            | 7.08    | 2.04     | 0.009          | 0.011 | 0.002                 | 0.002  | 10/02/2020 | 14:04     |
| 9   | L4198-01MSPre   | 40                | 2  | 2.51                | 100            | 7.05    | 2.06     | 0.008          | 0.286 | 0.278                 | 0.348  | 10/02/2020 | 14:05     |
| 10  | L4198-01MS2Ins  | 1284              | 40 | 2.53                | 100            | 7.06    | 2.07     | 0.005          | 0.654 | 0.649                 | 0.812  | 10/02/2020 | 14:06     |
| 11  | L4198-01MS3Post | 40                | 2  | 2.54                | 100            | 7.07    | 2.08     | 0.007          | 0.340 | 0.333                 | 0.417  | 10/02/2020 | 14:07     |
| 12  | L4198-04        |                   | 1  | 2.56                | 100            | 7.05    | 2.05     | 0.015          | 0.016 | 0.001                 | 0.001  | 10/02/2020 | 14:08     |
| 13  | L4198-07        |                   | 1  | 2.55                | 100            | 7.09    | 2.06     | 0.026          | 0.028 | 0.002                 | 0.002  | 10/02/2020 | 14:09     |
| 14  | L4198-10        |                   | 1  | 2.56                | 100            | 7.04    | 2.04     | 0.015          | 0.016 | 0.001                 | 0.001  | 10/02/2020 | 14:10     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.381 | 0.381                 | 0.477  | 10/02/2020 | 14:11     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/02/2020 | 14:12     |
| 17  | L4198-13        |                   | 1  | 2.57                | 100            | 7.06    | 2.04     | 0.009          | 0.009 | 0.000                 | 0.000  | 10/02/2020 | 14:13     |
| 18  | L4198-16        |                   | 1  | 2.59                | 100            | 7.02    | 2.09     | 0.030          | 0.031 | 0.001                 | 0.001  | 10/02/2020 | 14:14     |
| 19  | L4198-19        |                   | 1  | 2.55                | 100            | 7.01    | 2.07     | 0.010          | 0.011 | 0.001                 | 0.001  | 10/02/2020 | 14:15     |
| 20  | L4198-22        |                   | 1  | 2.54                | 100            | 7.03    | 2.04     | 0.007          | 0.007 | 0.000                 | 0.000  | 10/02/2020 | 14:16     |
| 21  | L4198-28        |                   | 1  | 2.56                | 100            | 7.05    | 2.03     | 0.019          | 0.019 | 0.000                 | 0.000  | 10/02/2020 | 14:17     |
| 22  | L4198-31        |                   | 1  | 2.55                | 100            | 7.02    | 2.01     | 0.017          | 0.018 | 0.001                 | 0.001  | 10/02/2020 | 14:18     |
| 23  | L4219-01        |                   | 1  | 2.53                | 100            | 7.04    | 2.07     | 0.023          | 0.025 | 0.002                 | 0.002  | 10/02/2020 | 14:19     |
| 24  | L4221-01        |                   | 1  | 2.54                | 100            | 7.08    | 2.09     | 0.008          | 0.009 | 0.001                 | 0.001  | 10/02/2020 | 14:20     |
| 25  | L4226-01        |                   | 1  | 2.58                | 100            | 7.04    | 2.04     | 0.031          | 0.033 | 0.002                 | 0.002  | 10/02/2020 | 14:21     |
| 26  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.382 | 0.382                 | 0.478  | 10/02/2020 | 14:22     |
| 27  | CCB3            |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 0.000  | 10/02/2020 | 14:23     |