

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Daniel

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB108463

pH Meter ID: WC pH Meter-1

| Reagent/Standard                     | Lot/Log # |
|--------------------------------------|-----------|
| Calibration STD HexaChrome 1 PPM     | WP83128   |
| Calibration STD Hexa Chrome 0.5 PPM  | WP83127   |
| Calibration Std. hexchrome 0.1 ppm   | WP83126   |
| Calibration Std. hexchrome 0.05 ppm  | WP83125   |
| calibration std. hexchrome 0.01 ppm  | WP83123   |
| calibration std. hexchrome 0 ppm     | WP83122   |
| Hexavalent Chromium CCV Std          | WP83130   |
| hexavalent chromium color reagent    | WP83113   |
| 5N sulfuric acid                     | WP79628   |
| HNO3 Hex-Chrome, 5M                  | WP80978   |
| Calibration Std Hexachrome 0.025 ppm | WP83124   |
| Hexavalent Chromium ICV-LCS Std      | WP83129   |

Intercept: 0.0016

Slope: 0.7881

Regression: 0.999846

| 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            |         | 2.05     | 0.000          | 0.008 | 0.008                 | 03/26/2020 | 13:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.008 | 0.008                 | 03/26/2020 | 13:01     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.018 | 0.018                 | 03/26/2020 | 13:02     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.036 | 0.036                 | 03/26/2020 | 13:03     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.079 | 0.079                 | 03/26/2020 | 13:04     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.404 | 0.404                 | 03/26/2020 | 13:05     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.786 | 0.786                 | 03/26/2020 | 13:06     |



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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            |         | 2.05     | 0.000          | 0.402 | 0.402                 | 0.508  | 03/26/2020 | 13:07     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.000 | 0.000                 | -0.002 | 03/26/2020 | 13:08     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.401 | 0.401                 | 0.507  | 03/26/2020 | 13:09     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | -0.002 | 03/26/2020 | 13:10     |
| 5   | PB127839BL      |                   | 1  | 2.51                | 100            | 7.05    | 2.06     | 0.000          | 0.000 | 0.000                 | -0.002 | 03/26/2020 | 13:11     |
| 6   | PB127839BS      | 20                | 1  | 2.53                | 100            | 7.05    | 2.03     | 0.000          | 0.350 | 0.350                 | 0.442  | 03/26/2020 | 13:12     |
| 7   | L1753-09        |                   | 1  | 2.53                | 100            | 7.06    | 2.05     | 0.001          | 0.003 | 0.002                 | 0.001  | 03/26/2020 | 13:13     |
| 8   | L1753-09DUP     |                   | 1  | 2.52                | 100            | 7.04    | 2.06     | 0.001          | 0.003 | 0.002                 | 0.001  | 03/26/2020 | 13:14     |
| 9   | L1753-09MSPre   | 40                | 2  | 2.51                | 100            | 7.07    | 2.07     | 0.001          | 0.168 | 0.167                 | 0.210  | 03/26/2020 | 13:15     |
| 10  | L1753-09MS2Ins  | 1284              | 40 | 2.53                | 100            | 7.05    | 2.06     | 0.006          | 0.652 | 0.646                 | 0.818  | 03/26/2020 | 13:16     |
| 11  | L1753-09MS3Post | 40                | 2  | 2.54                | 100            | 7.06    | 2.06     | 0.002          | 0.172 | 0.170                 | 0.214  | 03/26/2020 | 13:17     |
| 12  | L1761-11        |                   | 1  | 2.52                | 100            | 7.04    | 2.06     | 0.003          | 0.005 | 0.002                 | 0.001  | 03/26/2020 | 13:18     |
| 13  | L2034-01        |                   | 1  | 2.51                | 100            | 7.07    | 2.05     | 0.008          | 0.008 | 0.000                 | -0.002 | 03/26/2020 | 13:19     |
| 14  | L2035-01        |                   | 1  | 2.53                | 100            | 7.05    | 2.05     | 0.016          | 0.018 | 0.002                 | 0.001  | 03/26/2020 | 13:20     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.402 | 0.402                 | 0.508  | 03/26/2020 | 13:21     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | -0.002 | 03/26/2020 | 13:22     |
| 17  | L2035-03        |                   | 1  | 2.54                | 100            | 7.06    | 2.06     | 0.014          | 0.016 | 0.002                 | 0.001  | 03/26/2020 | 13:23     |
| 18  | L2036-01        |                   | 1  | 2.52                | 100            | 7.06    | 2.04     | 0.011          | 0.013 | 0.002                 | 0.001  | 03/26/2020 | 13:24     |
| 19  | L2037-01        |                   | 1  | 2.51                | 100            | 7.05    | 2.04     | 0.013          | 0.015 | 0.002                 | 0.001  | 03/26/2020 | 13:25     |
| 20  | L2040-01        |                   | 1  | 2.52                | 100            | 7.07    | 2.05     | 0.003          | 0.003 | 0.000                 | -0.002 | 03/26/2020 | 13:26     |
| 21  | L2040-04        |                   | 1  | 2.53                | 100            | 7.06    | 2.05     | 0.004          | 0.006 | 0.002                 | 0.001  | 03/26/2020 | 13:27     |
| 22  | L2040-07        |                   | 1  | 2.54                | 100            | 7.05    | 2.04     | 0.008          | 0.008 | 0.000                 | -0.002 | 03/26/2020 | 13:28     |
| 23  | L2040-10        |                   | 1  | 2.52                | 100            | 7.05    | 2.04     | 0.012          | 0.014 | 0.002                 | 0.001  | 03/26/2020 | 13:29     |
| 24  | L2040-13        |                   | 1  | 2.52                | 100            | 7.04    | 2.07     | 0.011          | 0.013 | 0.002                 | 0.001  | 03/26/2020 | 13:30     |
| 25  | L2043-02        |                   | 1  | 2.54                | 100            | 7.05    | 2.05     | 0.009          | 0.009 | 0.000                 | -0.002 | 03/26/2020 | 13:31     |
| 26  | L2043-06        |                   | 1  | 2.55                | 100            | 7.06    | 2.05     | 0.021          | 0.023 | 0.002                 | 0.001  | 03/26/2020 | 13:32     |
| 27  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.403 | 0.403                 | 0.509  | 03/26/2020 | 13:33     |
| 28  | CCB3            |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | -0.002 | 03/26/2020 | 13:34     |