

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Priscilla

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB90157

pH Meter ID: WC pH Meter 1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP58025   |
| Calibration Std. hexchrome 0.05 ppm   | WP58024   |
| 5N sulfuric acid                      | WP56414   |
| Calibratation STD HexaChrome 1 PPM    | WP58027   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP58026   |
| calibration std. hexchrome 0.01 ppm   | WP58022   |
| calibration std. hexchrome 0 ppm      | WP58021   |
| Hexavalent Chromium ICV Std.          | WP58028   |
| Hexavalent Chromium CCV Std           | WP58029   |
| hexavalent chromium color reagent     | WP58042   |
| HNO3 Hex-Chrome, 5M                   | WP56413   |
| Calibration std Hexachrome, 0.025ppm  | WP58023   |

Intercept: 0.0004

Slope: 0.7727

Regression: 0.999904

| 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            |         | 1.68     | 0.000          | 0.000 | 0.000                 | 09/19/2017 | 14:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.006 | 0.006                 | 09/19/2017 | 14:00     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.017 | 0.017                 | 09/19/2017 | 14:01     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.85     | 0.000          | 0.039 | 0.039                 | 09/19/2017 | 14:01     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.97     | 0.000          | 0.079 | 0.079                 | 09/19/2017 | 14:02     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.395 | 0.395                 | 09/19/2017 | 14:02     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.32     | 0.000          | 0.769 | 0.769                 | 09/19/2017 | 14:03     |



# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Priscilla

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB90157

pH Meter ID: WC pH Meter 1

| 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            |         | 1.74     | 0.000          | 0.389 | 0.389                 | 0.503  | 09/19/2017 | 14:03     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.000 | 0.000                 | -0.001 | 09/19/2017 | 14:04     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.390 | 0.390                 | 0.504  | 09/19/2017 | 14:04     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | -0.001 | 09/19/2017 | 14:05     |
| 5   | PB102442BL      |                   | 1  | 2.50                | 100            | 7.15    | 2.15     | 0.000          | 0.000 | 0.000                 | -0.001 | 09/19/2017 | 14:05     |
| 6   | PB102442BS      | 20                | 1  | 2.55                | 100            | 7.41    | 1.66     | 0.000          | 0.370 | 0.370                 | 0.478  | 09/19/2017 | 14:06     |
| 7   | I5275-01        |                   | 1  | 2.55                | 100            | 7.25    | 2.23     | 0.000          | 0.006 | 0.006                 | 0.007  | 09/19/2017 | 14:06     |
| 8   | I5275-02        |                   | 1  | 2.55                | 100            | 7.95    | 2.03     | 0.000          | 0.017 | 0.017                 | 0.021  | 09/19/2017 | 14:07     |
| 9   | I5288-01        |                   | 1  | 2.50                | 100            | 7.88    | 1.88     | 0.008          | 0.008 | 0.000                 | -0.001 | 09/19/2017 | 14:07     |
| 10  | I5291-01        |                   | 1  | 2.50                | 100            | 7.84    | 2.12     | 0.008          | 0.008 | 0.000                 | -0.001 | 09/19/2017 | 14:08     |
| 11  | I5292-01        |                   | 1  | 2.51                | 100            | 7.35    | 1.98     | 0.006          | 0.013 | 0.007                 | 0.009  | 09/19/2017 | 14:08     |
| 12  | I5292-01DUP     |                   | 1  | 2.55                | 100            | 7.34    | 2.15     | 0.007          | 0.014 | 0.007                 | 0.009  | 09/19/2017 | 14:09     |
| 13  | I5292-01MSPre   | 40                | 2  | 2.55                | 100            | 7.52    | 2.14     | 0.007          | 0.253 | 0.246                 | 0.318  | 09/19/2017 | 14:09     |
| 14  | I5292-01MS2Ins  | 1284              | 40 | 2.54                | 100            | 7.92    | 2.33     | 0.008          | 0.605 | 0.597                 | 0.772  | 09/19/2017 | 14:10     |
| 15  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.389 | 0.389                 | 0.503  | 09/19/2017 | 14:10     |
| 16  | CCB2            |                   | 1  | 100                 | 100            |         | 1.67     | 0.000          | 0.000 | 0.000                 | -0.001 | 09/19/2017 | 14:11     |
| 17  | I5292-01MS3Post | 40                | 2  | 2.53                | 100            | 7.74    | 2.41     | 0.009          | 0.382 | 0.373                 | 0.482  | 09/19/2017 | 14:11     |
| 18  | I5293-01        |                   | 1  | 2.53                | 100            | 7.29    | 2.12     | 0.002          | 0.002 | 0.000                 | -0.001 | 09/19/2017 | 14:12     |
| 19  | I5293-04        |                   | 1  | 2.55                | 100            | 7.64    | 2.35     | 0.005          | 0.005 | 0.000                 | -0.001 | 09/19/2017 | 14:12     |
| 20  | I5293-07        |                   | 1  | 2.51                | 100            | 7.77    | 1.98     | 0.005          | 0.005 | 0.000                 | -0.001 | 09/19/2017 | 14:13     |
| 21  | I5293-10        |                   | 1  | 2.50                | 100            | 7.35    | 1.85     | 0.005          | 0.007 | 0.002                 | 0.002  | 09/19/2017 | 14:13     |
| 22  | I5293-13        |                   | 1  | 2.53                | 100            | 7.14    | 2.42     | 0.005          | 0.005 | 0.000                 | -0.001 | 09/19/2017 | 14:14     |
| 23  | CCV3            | 0.5               | 1  | 100                 | 100            |         | 2.17     | 0.000          | 0.390 | 0.390                 | 0.504  | 09/19/2017 | 14:14     |
| 24  | CCB3            |                   | 1  | 100                 | 100            |         | 1.75     | 0.000          | 0.000 | 0.000                 | -0.001 | 09/19/2017 | 14:15     |