

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: chirag

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB104033

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP76417   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP76418   |
| Calibration Std. hexchrome 0.1 ppm    | WP76419   |
| Calibration Std. hexchrome 0.05 ppm   | WP76420   |
| calibration std. hexchrome 0.01 ppm   | WP76421   |
| calibration std. hexchrome 0 ppm      | WP76422   |
| Hexavalent Chromium ICV Std.          | WP76423   |
| Hexavalent Chromium CCV Std           | WP76424   |
| hexavalent chromium color reagent     | WP76268   |
| Calibration std Hexachrome, 0.025ppm  | WP76426   |
| HEX LOD STD, 0.005PPM                 | WP76427   |
| Hex LOQ Std, 0.01PPM                  | WP76428   |

Intercept: 0.0003

Slope: 0.8001

Regression: 0.999997

| 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            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 07/17/2019 | 12:30     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.008 | 0.008                 | 07/17/2019 | 12:31     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.021 | 0.021                 | 07/17/2019 | 12:32     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.039 | 0.039                 | 07/17/2019 | 12:33     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.081 | 0.081                 | 07/17/2019 | 12:34     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.401 | 0.401                 | 07/17/2019 | 12:35     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.800 | 0.800                 | 07/17/2019 | 12:36     |



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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            |         | 1.65     | 0.000          | 0.410 | 0.410                 | 0.512  | 07/17/2019 | 12:40     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/17/2019 | 12:41     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.399 | 0.399                 | 0.498  | 07/17/2019 | 12:42     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/17/2019 | 12:43     |
| 5   | LB104033BL  |                   | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/17/2019 | 12:44     |
| 6   | LB104033BS  | 0.5               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.365 | 0.365                 | 0.456  | 07/17/2019 | 12:45     |
| 7   | K3591-07    |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.005 | 0.005                 | 0.006  | 07/17/2019 | 12:46     |
| 8   | K3591-08    |                   | 1  | 100                 | 100            |         | 2.11     | 0.000          | 0.009 | 0.009                 | 0.011  | 07/17/2019 | 12:47     |
| 9   | K3856-03    |                   | 1  | 100                 | 100            |         | 2.15     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/17/2019 | 12:48     |
| 10  | K3856-03DUP |                   | 1  | 100                 | 100            |         | 2.13     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/17/2019 | 12:49     |
| 11  | K3856-03MS  | 1                 | 2  | 100                 | 100            |         | 1.98     | 0.000          | 0.397 | 0.397                 | 0.496  | 07/17/2019 | 12:50     |
| 12  | K3856-03MSD | 1                 | 2  | 100                 | 100            |         | 1.85     | 0.000          | 0.395 | 0.395                 | 0.493  | 07/17/2019 | 12:51     |
| 13  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 1.58     | 0.000          | 0.400 | 0.400                 | 0.500  | 07/17/2019 | 12:52     |
| 14  | CCB2        |                   | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/17/2019 | 12:53     |