

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB97461

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP67223   |
| Calibration Std. hexchrome 0.05 ppm   | WP67222   |
| 5N sulfuric acid                      | WP65054   |
| Hexavalent Chromium LCS Std           | WP67228   |
| Calibratation STD HexaChrome 1 PPM    | WP67225   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP67224   |
| calibration std. hexchrome 0.01 ppm   | WP67220   |
| calibration std. hexchrome 0 ppm      | WP67219   |
| Hexavalent Chromium ICV Std.          | WP67226   |
| Hexavalent Chromium CCV Std           | WP67227   |
| hexavalent chromium color reagent     | WP67083   |
| Calibration std Hexachrome, 0.025ppm  | WP67221   |

Intercept: 0.0005

Slope: 0.7694

Regression: 0.999979

| 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            |         | 1.93     | 0.000          | 0.000 | 0.000                 | 08/22/2018 | 11:10     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.008 | 0.008                 | 08/22/2018 | 11:10     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.41     | 0.000          | 0.018 | 0.018                 | 08/22/2018 | 11:11     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.22     | 0.000          | 0.039 | 0.039                 | 08/22/2018 | 11:11     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.76     | 0.000          | 0.078 | 0.078                 | 08/22/2018 | 11:12     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.35     | 0.000          | 0.389 | 0.389                 | 08/22/2018 | 11:12     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.12     | 0.000          | 0.768 | 0.768                 | 08/22/2018 | 11:13     |



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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            |         | 1.72     | 0.000          | 0.390 | 0.390                 | 0.506  | 08/22/2018 | 11:13     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 2.15     | 0.000          | 0.000 | 0.000                 | -0.001 | 08/22/2018 | 11:14     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 2.39     | 0.000          | 0.390 | 0.390                 | 0.506  | 08/22/2018 | 11:14     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 1.67     | 0.000          | 0.000 | 0.000                 | -0.001 | 08/22/2018 | 11:15     |
| 5   | LB97461BL   |                   | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.000 | 0.000                 | -0.001 | 08/22/2018 | 11:15     |
| 6   | LB97461BS   | 0.5               | 1  | 100                 | 100            |         | 2.33     | 0.000          | 0.385 | 0.385                 | 0.500  | 08/22/2018 | 11:16     |
| 7   | J4556-05    |                   | 1  | 100                 | 100            |         | 2.30     | 0.004          | 0.004 | 0.000                 | -0.001 | 08/22/2018 | 11:16     |
| 8   | J4556-05DUP |                   | 1  | 100                 | 100            |         | 2.46     | 0.004          | 0.004 | 0.000                 | -0.001 | 08/22/2018 | 11:16     |
| 9   | J4556-05MS  | 1                 | 2  | 100                 | 100            |         | 1.52     | 0.005          | 0.005 | 0.000                 | -0.001 | 08/22/2018 | 11:17     |
| 10  | J4556-05MSD | 1                 | 2  | 100                 | 100            |         | 1.87     | 0.005          | 0.005 | 0.000                 | -0.001 | 08/22/2018 | 11:17     |
| 11  | J4556-06    |                   | 1  | 100                 | 100            |         | 2.11     | 0.007          | 0.007 | 0.000                 | -0.001 | 08/22/2018 | 11:18     |
| 12  | J4556-07    |                   | 1  | 100                 | 100            |         | 1.63     | 0.009          | 0.009 | 0.000                 | -0.001 | 08/22/2018 | 11:18     |
| 13  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.390 | 0.390                 | 0.506  | 08/22/2018 | 11:19     |
| 14  | CCB2        |                   | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | -0.001 | 08/22/2018 | 11:19     |