

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB87108

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP54483   |
| Calibration Std. hexchrome 0.05 ppm   | WP54482   |
| 5N sulfuric acid                      | WP53540   |
| Hexavalent Chromium LCS Std           | WP54498   |
| Calibratation STD HexaChrome 1 PPM    | WP54485   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP54484   |
| calibration std. hexchrome 0.01 ppm   | WP54480   |
| calibration std. hexchrome 0 ppm      | WP54479   |
| Hexavalent Chromium ICV Std.          | WP54496   |
| Hexavalent Chromium CCV Std           | WP54497   |
| hexavalent chromium color reagent     | WP54466   |
| Calibration std Hexachrome, 0.025ppm  | WP54481   |

Intercept: -0.0001

Slope: 0.7813

Regression: 0.999941

| 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            |         | 2.13     | 0.000          | 0.000 | 0.000                 | 04/27/2017 | 10:50     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.006 | 0.006                 | 04/27/2017 | 10:50     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.40     | 0.000          | 0.017 | 0.017                 | 04/27/2017 | 10:51     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.28     | 0.000          | 0.039 | 0.039                 | 04/27/2017 | 10:51     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.84     | 0.000          | 0.079 | 0.079                 | 04/27/2017 | 10:52     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.62     | 0.000          | 0.397 | 0.397                 | 04/27/2017 | 10:52     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.21     | 0.000          | 0.778 | 0.778                 | 04/27/2017 | 10:53     |



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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            |         | 2.01     | 0.000          | 0.393 | 0.393                 | 0.503  | 04/27/2017 | 10:53     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 2.14     | 0.000          | 0.000 | 0.000                 | 0.000  | 04/27/2017 | 10:54     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 1.66     | 0.000          | 0.395 | 0.395                 | 0.506  | 04/27/2017 | 10:54     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 2.34     | 0.000          | 0.000 | 0.000                 | 0.000  | 04/27/2017 | 10:55     |
| 5   | LB87108BL   |                   | 1  | 100                 | 100            |         | 2.41     | 0.000          | 0.000 | 0.000                 | 0.000  | 04/27/2017 | 10:55     |
| 6   | LB87108BS   | 0.5               | 1  | 100                 | 100            |         | 1.70     | 0.000          | 0.390 | 0.390                 | 0.499  | 04/27/2017 | 10:56     |
| 7   | I2870-07    |                   | 1  | 100                 | 100            |         | 1.85     | 0.004          | 0.006 | 0.002                 | 0.003  | 04/27/2017 | 10:56     |
| 8   | I2870-07DUP |                   | 1  | 100                 | 100            |         | 2.03     | 0.005          | 0.007 | 0.002                 | 0.003  | 04/27/2017 | 10:57     |
| 9   | I2870-07MS  | 1                 | 2  | 100                 | 100            |         | 2.37     | 0.009          | 0.407 | 0.398                 | 0.510  | 04/27/2017 | 10:57     |
| 10  | I2870-07MSD | 1                 | 2  | 100                 | 100            |         | 2.10     | 0.008          | 0.406 | 0.398                 | 0.510  | 04/27/2017 | 10:58     |
| 11  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 1.87     | 0.000          | 0.395 | 0.395                 | 0.506  | 04/27/2017 | 10:58     |
| 12  | CCB2        |                   | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 0.000  | 04/27/2017 | 10:59     |

2387108

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : Hex042717-2

WorkList ID : 97818

Date : 4/27/2017 9:56:54 AM

| Due Date   | Matrix | Sample      | Test                | Preservative | Customer | Storage Location | Customer Sample       | Collect Date | Method |
|------------|--------|-------------|---------------------|--------------|----------|------------------|-----------------------|--------------|--------|
| 04/27/2017 | Water  | I2870-07 -F | Hexavalent Chromium | Cool 4 deg C | PSEG01   | D12              | PURGE-WATER-DRUMS(COI | 04/26/2017   | 7196A  |

Date/Time

Received by:

Relinquished by:

04/27/17 10:05

JB

CR

Date/Time

Received by:

Relinquished by:

04/27/17 11:10

CR

TB