

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB91816

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP59913   |
| Calibration Std. hexchrome 0.05 ppm   | WP59912   |
| 5N sulfuric acid                      | WP56414   |
| Calibratation STD HexaChrome 1 PPM    | WP59915   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP59914   |
| calibration std. hexchrome 0.01 ppm   | WP59924   |
| calibration std. hexchrome 0 ppm      | WP59907   |
| Hexavalent Chromium ICV Std.          | WP59916   |
| Hexavalent Chromium CCV Std           | WP59917   |
| hexavalent chromium color reagent     | WP59879   |
| HNO3 Hex-Chrome, 5M                   | WP58774   |
| Calibration std Hexachrome, 0.025ppm  | WP59911   |

Intercept: 0.0008

Slope: 0.7758

Regression: 0.99993

| 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            |         | 2.37     | 0.000          | 0.000 | 0.000                 | 11/28/2017 | 14:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.39     | 0.000          | 0.008 | 0.008                 | 11/28/2017 | 14:00     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.018 | 0.018                 | 11/28/2017 | 14:01     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.38     | 0.000          | 0.039 | 0.039                 | 11/28/2017 | 14:01     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.77     | 0.000          | 0.079 | 0.079                 | 11/28/2017 | 14:02     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.85     | 0.000          | 0.396 | 0.396                 | 11/28/2017 | 14:02     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 1.58     | 0.000          | 0.773 | 0.773                 | 11/28/2017 | 14:03     |



# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB91816

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            |         | 2.25     | 0.000          | 0.392 | 0.392                 | 0.504  | 11/28/2017 | 14:03     |
| 2   | ICB             |                   | 1  | 100                 | 100            |         | 1.66     | 0.000          | 0.000 | 0.000                 | -0.001 | 11/28/2017 | 14:04     |
| 3   | CCV1            | 0.5               | 1  | 100                 | 100            |         | 2.13     | 0.000          | 0.393 | 0.393                 | 0.506  | 11/28/2017 | 14:04     |
| 4   | CCB1            |                   | 1  | 100                 | 100            |         | 1.64     | 0.000          | 0.000 | 0.000                 | -0.001 | 11/28/2017 | 14:05     |
| 5   | PB104575BL      |                   | 1  | 2.50                | 100            | 7.90    | 2.11     | 0.000          | 0.000 | 0.000                 | -0.001 | 11/28/2017 | 14:05     |
| 6   | PB104575BS      | 20                | 1  | 2.54                | 100            | 7.62    | 2.30     | 0.000          | 0.366 | 0.366                 | 0.471  | 11/28/2017 | 14:06     |
| 7   | I6299-07        |                   | 1  | 2.52                | 100            | 7.50    | 1.87     | 0.010          | 0.010 | 0.000                 | -0.001 | 11/28/2017 | 14:06     |
| 8   | I6299-07DUP     |                   | 1  | 2.51                | 100            | 7.33    | 1.84     | 0.009          | 0.009 | 0.000                 | -0.001 | 11/28/2017 | 14:07     |
| 9   | I6299-07MSPre   | 40                | 2  | 2.55                | 100            | 7.40    | 2.36     | 0.011          | 0.351 | 0.340                 | 0.437  | 11/28/2017 | 14:07     |
| 10  | I6299-07MS2Ins  | 1284              | 40 | 2.52                | 100            | 7.61    | 2.20     | 0.008          | 0.584 | 0.576                 | 0.741  | 11/28/2017 | 14:08     |
| 11  | I6299-07MS3Post | 40                | 2  | 2.53                | 100            | 7.21    | 1.71     | 0.012          | 0.359 | 0.347                 | 0.446  | 11/28/2017 | 14:08     |
| 12  | I6594-01        |                   | 1  | 2.50                | 100            | 7.10    | 2.17     | 0.007          | 0.261 | 0.254                 | 0.326  | 11/28/2017 | 14:09     |
| 13  | I6602-01        |                   | 1  | 2.53                | 100            | 7.10    | 1.89     | 0.006          | 0.006 | 0.000                 | -0.001 | 11/28/2017 | 14:09     |
| 14  | CCV2            | 0.5               | 1  | 100                 | 100            |         | 2.44     | 0.000          | 0.393 | 0.393                 | 0.506  | 11/28/2017 | 14:10     |
| 15  | CCB2            |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | -0.001 | 11/28/2017 | 14:10     |