

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Aparna

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB102835

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP74800   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP74801   |
| Calibration Std. hexchrome 0.1 ppm    | WP74806   |
| Calibration Std. hexchrome 0.05 ppm   | WP74805   |
| calibration std. hexchrome 0.01 ppm   | WP74804   |
| calibration std. hexchrome 0 ppm      | WP74803   |
| Hexavalent Chromium ICV Std.          | WP74808   |
| Hexavalent Chromium CCV Std           | WP74807   |
| Hexavalent Chromium LCS Std           | WP74809   |
| hexavalent chromium color reagent     | WP74810   |
| 5N sulfuric acid                      | WP74163   |
| Calibration std Hexachrome, 0.025ppm  | WP74802   |

Intercept: 0.0005

Slope: 0.7719

Regression: 0.999984

| 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                 | 05/17/2019 | 11:00     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.007 | 0.007                 | 05/17/2019 | 11:00     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.018 | 0.018                 | 05/17/2019 | 11:02     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.040 | 0.040                 | 05/17/2019 | 11:02     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.079 | 0.079                 | 05/17/2019 | 11:03     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.389 | 0.389                 | 05/17/2019 | 11:03     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.771 | 0.771                 | 05/17/2019 | 11:04     |



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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            |         | 1.70     | 0.000          | 0.401 | 0.401                 | 0.519  | 05/17/2019 | 17:09     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 17:09     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.410 | 0.410                 | 0.531  | 05/17/2019 | 17:11     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 17:11     |
| 5   | LB102835BL  |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 17:12     |
| 6   | LB102835BS  | 0.5               | 1  | 100                 | 100            |         | 1.75     | 0.001          | 0.382 | 0.381                 | 0.493  | 05/17/2019 | 17:12     |
| 7   | K2946-18    |                   | 1  | 100                 | 100            |         | 2.00     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 17:13     |
| 8   | K2946-18DUP |                   | 1  | 100                 | 100            |         | 1.87     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 17:13     |
| 9   | K2946-18MS  | 1                 | 2  | 100                 | 100            |         | 1.70     | 0.001          | 0.394 | 0.393                 | 0.508  | 05/17/2019 | 17:14     |
| 10  | K2946-18MSD | 1                 | 2  | 100                 | 100            |         | 1.88     | 0.001          | 0.396 | 0.395                 | 0.511  | 05/17/2019 | 17:14     |
| 11  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.412 | 0.412                 | 0.533  | 05/17/2019 | 17:15     |
| 12  | CCB2        |                   | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | -0.001 | 05/17/2019 | 17:15     |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : hex051419-2

WorkList ID : 126330

Date : 05-17-2019 12:16:01

2102835

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method |
|------------|--------|----------|---------------------|--------------|----------|------------------|-----------------|--------------|--------|
| 05/16/2019 | Water  | K2946-18 | Hexavalent Chromium | Cool 4 deg C | NOBI01   |                  | D10268          | 05/15/2019   | 7196A  |

Date/Time 05/17/19, 16:40  
 Received by: AS  
 Relinquished by: 

Date/Time 05/17/19, 17:30  
 Received by:   
 Relinquished by: AS