



## Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: chirag

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB104108

pH Meter ID: WC PH METER-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP76537   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP76538   |
| Calibration Std. hexchrome 0.1 ppm    | WP76539   |
| Calibration Std. hexchrome 0.05 ppm   | WP76540   |
| calibration std. hexchrome 0.01 ppm   | WP76541   |
| calibration std. hexchrome 0 ppm      | WP76542   |
| Hexavalent Chromium ICV Std.          | WP76543   |
| Hexavalent Chromium CCV Std           | WP76544   |
| Hexavalent Chromium LCS Std           | WP76545   |
| hexavalent chromium color reagent     | WP76583   |
| Calibration std Hexachrome, 0.025ppm  | WP76546   |
| HEX LOD STD, 0.005PPM                 | WP76547   |

Intercept: 0.0001

Slope: 0.7994

Regression: 0.999998

| 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                 | 07/19/2019 | 12:30     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.008 | 0.008                 | 07/19/2019 | 12:31     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.021 | 0.021                 | 07/19/2019 | 12:32     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.60     | 0.000          | 0.040 | 0.040                 | 07/19/2019 | 12:33     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.080 | 0.080                 | 07/19/2019 | 12:34     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.62     | 0.000          | 0.399 | 0.399                 | 07/19/2019 | 12:35     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 1.66     | 0.000          | 0.800 | 0.800                 | 07/19/2019 | 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            |         | 2.10     | 0.000          | 0.408 | 0.408                 | 0.510  | 07/19/2019 | 12:45     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/19/2019 | 12:46     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 1.65     | 0.000          | 0.402 | 0.402                 | 0.503  | 07/19/2019 | 12:47     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 2.01     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/19/2019 | 12:48     |
| 5   | LB104108BL  |                   | 1  | 100                 | 100            |         | 1.56     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/19/2019 | 12:49     |
| 6   | LB104108BS  | 0.5               | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.377 | 0.377                 | 0.471  | 07/19/2019 | 12:50     |
| 7   | K3591-12    |                   | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.006 | 0.006                 | 0.007  | 07/19/2019 | 12:51     |
| 8   | K3905-01    |                   | 1  | 100                 | 100            |         | 2.10     | 0.039          | 0.039 | 0.000                 | 0.000  | 07/19/2019 | 12:52     |
| 9   | K3905-01DUP |                   | 1  | 100                 | 100            |         | 2.18     | 0.039          | 0.039 | 0.000                 | 0.000  | 07/19/2019 | 12:53     |
| 10  | K3905-01MS  | 1                 | 2  | 100                 | 100            |         | 2.14     | 0.039          | 0.460 | 0.421                 | 0.527  | 07/19/2019 | 12:54     |
| 11  | K3905-01MSD | 1                 | 2  | 100                 | 100            |         | 2.19     | 0.039          | 0.462 | 0.423                 | 0.529  | 07/19/2019 | 12:55     |
| 12  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 1.89     | 0.000          | 0.399 | 0.399                 | 0.499  | 07/19/2019 | 12:56     |
| 13  | CCB2        |                   | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.000 | 0.000                 | 0.000  | 07/19/2019 | 12:57     |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : hex71919

WorkList ID : 128777

Department : Wet-Chemistry

Date : 07-19-2019 10:00:03

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Storage Location | Customer Sample         | Collect Date | Method      |
|------------|--------|----------|---------------------|--------------|----------|------------------|-------------------------|--------------|-------------|
| 06/29/2019 | Water  | K3591-12 | Hexavalent Chromium | Cool 4 deg C | CHEM02   | QA Office        | MDL-MDL-WATER-06-QT3-2C | 06/28/2019   | SM3500-Cr B |
| 07/19/2019 | Water  | K3905-01 | Hexavalent Chromium | Cool 4 deg C | DIST01   |                  | 18107-NYCT-AVE-Z-TWP-1  | 07/18/2019   | SM3500-Cr B |

Date/Time 07/19/19 10:30  
 Received by: CS  
 Relinquished by: JS

Date/Time 07/19/19 11:30  
 Received by: JS  
 Relinquished by: CT