

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB107994

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibratation STD HexaChrome 1 PPM    | WP82564   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP82565   |
| Calibration Std. hexchrome 0.1 ppm    | WP82566   |
| Calibration Std. hexchrome 0.05 ppm   | WP82567   |
| calibration std. hexchrome 0.01 ppm   | WP82568   |
| calibration std. hexchrome 0 ppm      | WP82569   |
| Hexavalent Chromium CCV Std           | WP82571   |
| hexavalent chromium color reagent     | WP82562   |
| 0.2N SULFURIC ACID                    | WP79785   |
| Calibration Std Hexachrome 0.025 ppm  | WP82572   |
| Hexavalent Chromium ICV-LCS Std       | WP82570   |

Intercept: 0.0006

Slope: 0.7567

Regression: 0.999982

| 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            |         | 2.03     | 0.000          | 0.000 | 0.000                 | 02/27/2020 | 15:10     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.007 | 0.007                 | 02/27/2020 | 15:11     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.019 | 0.019                 | 02/27/2020 | 15:12     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.037 | 0.037                 | 02/27/2020 | 15:13     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.079 | 0.079                 | 02/27/2020 | 15:14     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.381 | 0.381                 | 02/27/2020 | 15:15     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.756 | 0.756                 | 02/27/2020 | 15:16     |

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|-----|-------------|-------------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|--------|------------|-----------|
|     |             |                   |    |                     |                |         |          | Backgrnd       | Color |                       |        |            |           |
| 1   | ICV         | 0.5               | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.389 | 0.389                 | 0.513  | 02/27/2020 | 15:17     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | -0.001 | 02/27/2020 | 15:18     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.391 | 0.391                 | 0.516  | 02/27/2020 | 15:19     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.000 | 0.000                 | -0.001 | 02/27/2020 | 15:20     |
| 5   | LB107994BL  |                   | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.000 | 0.000                 | -0.001 | 02/27/2020 | 15:21     |
| 6   | LB107994BS  | 0.5               | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.380 | 0.380                 | 0.501  | 02/27/2020 | 15:22     |
| 7   | L1699-07    |                   | 1  | 100                 | 100            |         | 2.05     | 0.001          | 0.001 | 0.000                 | -0.001 | 02/27/2020 | 15:23     |
| 8   | L1699-07DUP |                   | 1  | 100                 | 100            |         | 2.06     | 0.001          | 0.001 | 0.000                 | -0.001 | 02/27/2020 | 15:24     |
| 9   | L1699-07MS  | 1                 | 2  | 100                 | 100            |         | 2.07     | 0.001          | 0.361 | 0.360                 | 0.475  | 02/27/2020 | 15:25     |
| 10  | L1699-07MSD | 1                 | 2  | 100                 | 100            |         | 2.05     | 0.001          | 0.362 | 0.361                 | 0.476  | 02/27/2020 | 15:26     |
| 11  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.389 | 0.389                 | 0.513  | 02/27/2020 | 15:27     |
| 12  | CCB2        |                   | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.000 | 0.000                 | -0.001 | 02/27/2020 | 15:28     |

# WORKLIST(Hardcopy Internal Chain)

LB107994

WorkList Name : hex22720-1      WorkList ID : 136530      Department : Wet-Chemistry      Date : 02-27-2020 14:20:52

| Due Date   | Matrix | Sample     | Test                | Preservative | Customer | Storage Location | Customer Sample     | Collect Date | Method      |
|------------|--------|------------|---------------------|--------------|----------|------------------|---------------------|--------------|-------------|
| 02/28/2020 | Water  | L1699-07 C | Hexavalent Chromium | Cool 4 deg C | NEWY22   | O11              | MH-1-COMP-2-27-2020 | 02/27/2020   | SM3500-Cr B |

Date/Time 02/27/20 14:45  
 Received by: KS  
 Relinquished by: JB

Date/Time 02/27/20 15:30  
 Received by: JD  
 Relinquished by: KS