

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB109394

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP84581   |
| Calibration Std. hexchrome 0.05 ppm      | WP84582   |
| calibration std. hexchrome 0.01 ppm      | WP84583   |
| calibration std. hexchrome 0 ppm         | WP84584   |
| hexavalent chromium color reagent        | WP84498   |
| 0.2N SULFURIC ACID                       | WP84587   |
| Calibration Std Hexachrome 0.025 ppm     | WP84586   |
| Hexavalent Chromium ICV-LCS Std          | WP84585   |
| Calibration and CCV std HexChrome 0.5PPM | WP84578   |
| Calibration std HexChrome 1.0PPM         | WP84580   |

Intercept: 0.0007

Slope: 0.7827

Regression: 0.999896

| 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            |         | 2.07     | 0.000          | 0.000 | 0.000                 | 06/02/2020 | 09:35     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.008 | 0.008                 | 06/02/2020 | 09:36     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.018 | 0.018                 | 06/02/2020 | 09:37     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.038 | 0.038                 | 06/02/2020 | 09:38     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.080 | 0.080                 | 06/02/2020 | 09:39     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.401 | 0.401                 | 06/02/2020 | 09:40     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.779 | 0.779                 | 06/02/2020 | 09:41     |



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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            |         | 2.04     | 0.000          | 0.412 | 0.412                 | 0.525  | 06/02/2020 | 09:42     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | -0.001 | 06/02/2020 | 09:43     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 2.03     | 0.000          | 0.398 | 0.398                 | 0.508  | 06/02/2020 | 09:44     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 2.05     | 0.000          | 0.000 | 0.000                 | -0.001 | 06/02/2020 | 09:45     |
| 5   | lb109394BL  |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | -0.001 | 06/02/2020 | 09:46     |
| 6   | lb109394BS  | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.395 | 0.395                 | 0.504  | 06/02/2020 | 09:47     |
| 7   | L2494-02    |                   | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.000 | 0.000                 | -0.001 | 06/02/2020 | 09:48     |
| 8   | L2494-02DUP |                   | 1  | 100                 | 100            |         | 2.09     | 0.000          | 0.000 | 0.000                 | -0.001 | 06/02/2020 | 09:49     |
| 9   | L2494-02MS  | 1                 | 2  | 100                 | 100            |         | 2.04     | 0.000          | 0.403 | 0.403                 | 0.514  | 06/02/2020 | 09:50     |
| 10  | L2494-02MSD | 1                 | 2  | 100                 | 100            |         | 2.05     | 0.000          | 0.402 | 0.402                 | 0.513  | 06/02/2020 | 09:51     |
| 11  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.397 | 0.397                 | 0.506  | 06/02/2020 | 09:52     |
| 12  | CCB2        |                   | 1  | 100                 | 100            |         | 2.07     | 0.000          | 0.000 | 0.000                 | -0.001 | 06/02/2020 | 09:53     |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : HEX6120      WorkList ID : 139202      Department : Wet-Chemistry      Date : 06-01-2020 15:04:52

| Due Date   | Matrix | Sample            | Test                | Preservative | Customer | Storage Location | Customer Sample        | Collect Date | Method      |
|------------|--------|-------------------|---------------------|--------------|----------|------------------|------------------------|--------------|-------------|
| 05/29/2020 | Water  | L2494-02 <b>P</b> | Hexavalent Chromium | Cool 4 deg C | AQUA04   | P22              | 20200382-MANASQUAN-WA1 | 05/28/2020   | SM3500-Cr B |

Date/Time 06/02/2020 09:05  
 Received by: KS  
 Relinquished by: KS

Date/Time 06/02/2020 09:55  
 Received by: KS  
 Relinquished by: KS