

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB117602

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP94146   |
| Calibration Std. hexchrome 0.05 ppm      | WP94147   |
| calibration std. hexchrome 0.01 ppm      | WP94148   |
| calibration std. hexchrome 0 ppm         | WP94150   |
| hexavalent chromium color reagent        | WP94110   |
| 5N sulfuric acid                         | WP93692   |
| HNO3 Hex-Chrome, 5M                      | WP93691   |
| Hexchrome Cleaning Solution              | WP92841   |
| Calibration Std Hexachrome 0.025 ppm     | WP94149   |
| Hexavalent Chromium ICV-LCS Std          | WP94151   |
| Calibration and CCV std HexChrome 0.5PPM | WP94145   |
| Calibration std HexChrome 1.0PPM         | WP94144   |

Intercept: -0.0005

Slope: 0.783

Regression: 0.999996

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HNO3 | pH H2SO4 | Absorb.at 540nm |       | Absorbance Difference | Result (mg/L) | %D  | Anal Date  | Anal Time |
|-----|--------|-------------------|----|------------------|----------------|---------|----------|-----------------|-------|-----------------------|---------------|-----|------------|-----------|
|     |        |                   |    |                  |                |         |          | Backgrnd        | Color |                       |               |     |            |           |
| 1   | CAL1   | 0                 | 1  | 100              | 100            |         | 2.08     | 0.000           | 0.000 | 0.000                 | 0.000         |     | 12/01/2021 | 16:32     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.007 | 0.007                 | 0.009         | 10  | 12/01/2021 | 16:33     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.78     | 0.000           | 0.018 | 0.018                 | 0.023         | 8   | 12/01/2021 | 16:35     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.95     | 0.000           | 0.040 | 0.040                 | 0.051         | -2  | 12/01/2021 | 16:36     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 2.30     | 0.000           | 0.078 | 0.078                 | 0.100         | 0   | 12/01/2021 | 16:38     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 2.15     | 0.000           | 0.390 | 0.390                 | 0.498         | 0.4 | 12/01/2021 | 16:40     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 2.20     | 0.000           | 0.783 | 0.783                 | 1.000         | 0   | 12/01/2021 | 16:41     |



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Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB117602

pH Meter ID: WC pH Meter-1

| Seq | Lab ID     | True Value | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at540nm |       | Absorbance Difference | Intermediate Result (mg/L) | Anal Date  | Anal Time |
|-----|------------|------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|----------------------------|------------|-----------|
|     |            |            |    |                     |                |         |          | Backgrnd       | Color |                       |                            |            |           |
| 1   | ICV        | 0.5        | 1  | 100                 | 100            |         | 2.09     | 0.000          | 0.390 | 0.390                 | 0.499                      | 12/01/2021 | 16:45     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.000 | 0.000                 | 0.001                      | 12/01/2021 | 16:46     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.74     | 0.000          | 0.392 | 0.392                 | 0.501                      | 12/01/2021 | 16:50     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.000 | 0.000                 | 0.001                      | 12/01/2021 | 16:51     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.008 | 0.008                 | 0.011                      | 12/01/2021 | 16:52     |
| 6   | LB117602BL |            | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.001                      | 12/01/2021 | 16:53     |
| 7   | LB117602BS | 0.5        | 1  | 100                 | 100            |         | 2.35     | 0.000          | 0.393 | 0.393                 | 0.503                      | 12/01/2021 | 16:55     |
| 8   | M4068-09   |            | 1  | 100                 | 100            |         | 2.20     | 0.000          | 0.006 | 0.006                 | 0.008                      | 12/01/2021 | 16:56     |
| 9   | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.392 | 0.392                 | 0.501                      | 12/01/2021 | 16:57     |
| 10  | CCB2       |            | 1  | 100                 | 100            |         | 1.74     | 0.000          | 0.000 | 0.000                 | 0.001                      | 12/01/2021 | 16:58     |

# WORKLIST(Hardcopy Internal Chain)

LB117602

WorkList Name : HEX 12121      WorkList ID : 154778      Department : Wet-Chemistry      Date : 12-01-2021 16:41:22

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Raw Sample Storage Location | Customer Sample      | Collect Date | Method |
|------------|--------|----------|---------------------|--------------|----------|-----------------------------|----------------------|--------------|--------|
| 10/21/2021 | Water  | M4068-09 | Hexavalent Chromium | Cool 4 deg C | CHEM02   | QA Office                   | MDL-WATER-03-QT4-201 | 10/01/2021   | 7196A  |

Date/Time N/A  
 Raw Sample Received by: cl  
 Raw Sample Relinquished by: cl

Date/Time N/A  
 Raw Sample Received by: cl  
 Raw Sample Relinquished by: cl