

# Alytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Iwona

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: JIGNESH

Run Number: LB119181

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP95836   |
| Calibration Std. hexchrome 0.05 ppm      | WP95831   |
| calibration std. hexchrome 0.01 ppm      | WP95832   |
| calibration std. hexchrome 0 ppm         | WP95834   |
| hexavalent chromium color reagent        | WP95802   |
| 0.2N SULFURIC ACID                       | WP94567   |
| Calibration Std Hexachrome 0.025 ppm     | WP95833   |
| Hexavalent Chromium ICV-LCS Std          | WP95835   |
| Calibration and CCV std HexChrome 0.5PPM | WP95829   |
| Calibration std HexChrome 1.0PPM         | WP95828   |

Intercept: -0.0007

Slope: 0.7821

Regression: 0.999995

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at 540nm |       | Absorbance Difference | Result (mg/L) | %D  | Anal Date  | Anal Time |
|-----|--------|-------------------|----|------------------|----------------|---------|----------|-----------------|-------|-----------------------|---------------|-----|------------|-----------|
|     |        |                   |    |                  |                |         |          | Backgrnd        | Color |                       |               |     |            |           |
| 1   | CAL1   | 0                 | 1  | 100              | 100            |         | 1.98     | 0.000           | 0.000 | 0.000                 | 0.000         |     | 03/16/2022 | 11:00     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 2.05     | 0.000           | 0.006 | 0.006                 | 0.008         | 20  | 03/16/2022 | 11:01     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.78     | 0.000           | 0.018 | 0.018                 | 0.023         | 8   | 03/16/2022 | 11:02     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.038 | 0.038                 | 0.049         | 2   | 03/16/2022 | 11:03     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 2.01     | 0.000           | 0.079 | 0.079                 | 0.101         | -1  | 03/16/2022 | 11:04     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.84     | 0.000           | 0.391 | 0.391                 | 0.500         | 0   | 03/16/2022 | 11:05     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 2.16     | 0.000           | 0.781 | 0.781                 | 0.999         | 0.1 | 03/16/2022 | 11:06     |



## Analytical Summary Report

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ANALYST: Iwona

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: JIGNESH

Run Number: LB119181

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            |         | 2.22     | 0.000          | 0.396 | 0.396                 | 0.507                      | 03/16/2022 | 11:07     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.82     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2022 | 11:08     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.394 | 0.394                 | 0.505                      | 03/16/2022 | 11:09     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 2.14     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2022 | 11:10     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.008 | 0.008                 | 0.011                      | 03/16/2022 | 11:11     |
| 6   | LB119181BL |            | 1  | 100                 | 100            |         | 2.34     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2022 | 11:12     |
| 7   | LB119181BS | 0.5        | 1  | 100                 | 100            |         | 2.16     | 0.000          | 0.398 | 0.398                 | 0.510                      | 03/16/2022 | 11:13     |
| 8   | N1955-03   |            | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2022 | 11:14     |
| 9   | N1955-03DU |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2022 | 11:15     |
| 10  | N1955-03MS | 1          | 2  | 100                 | 100            |         | 1.72     | 0.000          | 0.382 | 0.382                 | 0.489                      | 03/16/2022 | 11:16     |
| 11  | N1955-03MS | 1          | 2  | 100                 | 100            |         | 2.01     | 0.000          | 0.381 | 0.381                 | 0.488                      | 03/16/2022 | 11:17     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 2.21     | 0.000          | 0.390 | 0.390                 | 0.500                      | 03/16/2022 | 11:18     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2022 | 11:19     |

# WORKLIST(Hardcopy Internal Chain)

LB119181

WorkList Name : HEX-031622      WorkList ID : 157777      Department : Wet-Chemistry      Date : 03-16-2022 09:53:00

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method      |
|------------|--------|----------|---------------------|--------------|----------|-----------------------------|-----------------|--------------|-------------|
| 03/18/2022 | Water  | N1955-03 | Hexavalent Chromium | Ammonium sul | PSEG03   | 1335                        |                 | 03/15/2022   | SM3500-Cr B |

Date/Time 3/16/22 10:00  
 Raw Sample Received by: JD (WC)  
 Raw Sample Relinquished by: JD (WC)

Date/Time 3/16/22 11:20  
 Raw Sample Received by: JD (WC)  
 Raw Sample Relinquished by: JD (WC)