



## Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124524

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP101542  |
| Calibration Std. hexchrome 0.05 ppm      | WP101538  |
| calibration std. hexchrome 0.01 ppm      | WP101536  |
| calibration std. hexchrome 0 ppm         | WP101535  |
| hexavalent chromium color reagent        | WP101454  |
| 0.2N SULFURIC ACID                       | WP100769  |
| Calibration Std Hexachrome 0.025 ppm     | WP101537  |
| Hexavalent Chromium ICV-LCS Std          | WP101541  |
| Calibration and CCV std HexChrome 0.5PPM | WP101540  |
| Calibration std HexChrome 1.0PPM         | WP101539  |

Intercept: -0.0009

Slope: 0.7811

Regression: 0.999997

| 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            |         | 1.96     | 0.000           | 0.000 | 0.000                 | 0.001         |      | 03/16/2023 | 09:20     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.98     | 0.000           | 0.006 | 0.006                 | 0.008         | -20  | 03/16/2023 | 09:21     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 2.08     | 0.000           | 0.018 | 0.018                 | 0.024         | -4   | 03/16/2023 | 09:22     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.038 | 0.038                 | 0.049         | -2   | 03/16/2023 | 09:23     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 2.02     | 0.000           | 0.078 | 0.078                 | 0.101         | 1    | 03/16/2023 | 09:24     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.96     | 0.000           | 0.390 | 0.390                 | 0.500         | 0    | 03/16/2023 | 09:25     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.98     | 0.000           | 0.780 | 0.780                 | 0.999         | -0.1 | 03/16/2023 | 09:26     |



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ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124524

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            |         | 1.96     | 0.000          | 0.391 | 0.391                 | 0.502                      | 03/16/2023 | 09:27     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2023 | 09:28     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.390 | 0.390                 | 0.500                      | 03/16/2023 | 09:29     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2023 | 09:30     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.009 | 0.009                 | 0.013                      | 03/16/2023 | 09:31     |
| 6   | LB124524BL |            | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2023 | 09:32     |
| 7   | LB124524BS | 0.5        | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.404 | 0.404                 | 0.518                      | 03/16/2023 | 09:33     |
| 8   | O1923-01   |            | 1  | 100                 | 100            |         | 2.08     | 0.037          | 0.037 | 0.000                 | 0.001                      | 03/16/2023 | 09:34     |
| 9   | O1923-01DU |            | 1  | 100                 | 100            |         | 2.06     | 0.037          | 0.037 | 0.000                 | 0.001                      | 03/16/2023 | 09:35     |
| 10  | O1923-01MS | 1          | 2  | 100                 | 100            |         | 2.18     | 0.032          | 0.426 | 0.394                 | 0.506                      | 03/16/2023 | 09:36     |
| 11  | O1923-01MS | 1          | 2  | 100                 | 100            |         | 2.10     | 0.031          | 0.429 | 0.398                 | 0.511                      | 03/16/2023 | 09:38     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 2.18     | 0.000          | 0.391 | 0.391                 | 0.502                      | 03/16/2023 | 09:39     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.000 | 0.000                 | 0.001                      | 03/16/2023 | 09:40     |