



## Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125032

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP102033  |
| Calibration Std. hexchrome 0.05 ppm      | WP102032  |
| calibration std. hexchrome 0.01 ppm      | WP102030  |
| calibration std. hexchrome 0 ppm         | WP102029  |
| hexavalent chromium color reagent        | WP102038  |
| 0.2N SULFURIC ACID                       | WP100769  |
| HEX LOD STD, 0.005PPM                    | WP102037  |
| Calibration Std Hexachrome 0.025 ppm     | WP102031  |
| Hexavalent Chromium ICV-LCS Std          | WP102036  |
| Calibration and CCV std HexChrome 0.5PPM | WP102034  |
| Calibration std HexChrome 1.0PPM         | WP102035  |

Intercept: 0.004

Slope: 0.8049

Regression: 0.999827

| 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            |         | 1.88     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 04/18/2023 | 16:20     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.010 | 0.010                 | 0.007         | -30  | 04/18/2023 | 16:21     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.023 | 0.023                 | 0.023         | -8   | 04/18/2023 | 16:22     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.82     | 0.000           | 0.044 | 0.044                 | 0.049         | -2   | 04/18/2023 | 16:23     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.84     | 0.000           | 0.086 | 0.086                 | 0.101         | 1    | 04/18/2023 | 16:24     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.418 | 0.418                 | 0.514         | 2.8  | 04/18/2023 | 16:25     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.82     | 0.000           | 0.803 | 0.803                 | 0.992         | -0.8 | 04/18/2023 | 16:26     |



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ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125032

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          | 0.414 | 0.414                 | 0.509                      | 04/18/2023 | 16:27     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.70     | 0.000          | 0.000 | 0.000                 | -0.005                     | 04/18/2023 | 16:28     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.414 | 0.414                 | 0.509                      | 04/18/2023 | 16:29     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.72     | 0.000          | 0.000 | 0.000                 | -0.005                     | 04/18/2023 | 16:30     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.012 | 0.012                 | 0.010                      | 04/18/2023 | 16:31     |
| 6   | lb125032BL |            | 1  | 100                 | 100            |         | 1.74     | 0.000          | 0.000 | 0.000                 | -0.005                     | 04/18/2023 | 16:32     |
| 7   | lb125032BS | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.377 | 0.377                 | 0.463                      | 04/18/2023 | 16:33     |
| 8   | O2213-12   |            | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.007 | 0.007                 | 0.004                      | 04/18/2023 | 16:34     |
| 9   | O2403-01   |            | 1  | 100                 | 100            |         | 2.08     | 0.002          | 0.003 | 0.001                 | -0.004                     | 04/18/2023 | 16:35     |
| 10  | O2403-07   |            | 1  | 100                 | 100            |         | 2.06     | 0.005          | 0.007 | 0.002                 | -0.002                     | 04/18/2023 | 16:36     |
| 11  | O2403-07DU |            | 1  | 100                 | 100            |         | 2.08     | 0.005          | 0.007 | 0.002                 | -0.002                     | 04/18/2023 | 16:37     |
| 12  | O2403-07MS | 1          | 2  | 100                 | 100            |         | 2.04     | 0.006          | 0.382 | 0.376                 | 0.462                      | 04/18/2023 | 16:38     |
| 13  | O2403-07MS | 1          | 2  | 100                 | 100            |         | 2.06     | 0.007          | 0.393 | 0.386                 | 0.475                      | 04/18/2023 | 16:39     |
| 14  | O2403-13   |            | 1  | 100                 | 100            |         | 2.10     | 0.018          | 0.018 | 0.000                 | -0.005                     | 04/18/2023 | 16:40     |
| 15  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.414 | 0.414                 | 0.509                      | 04/18/2023 | 16:41     |
| 16  | CCB2       |            | 1  | 100                 | 100            |         | 1.76     | 0.000          | 0.000 | 0.000                 | -0.005                     | 04/18/2023 | 16:42     |