

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB132815

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP110086  |
| Calibration Std. hexchrome 0.05 ppm      | WP110085  |
| calibration std. hexchrome 0.01 ppm      | WP110083  |
| calibration std. hexchrome 0 ppm         | WP110082  |
| hexavalent chromium color reagent        | WP109994  |
| 0.2N SULFURIC ACID                       | WP109325  |
| Calibration Std Hexachrome 0.025 ppm     | WP110084  |
| Hexavalent Chromium ICV-LCS Std          | WP110089  |
| Calibration and CCV std HexChrome 0.5PPM | WP110087  |
| Calibration std HexChrome 1.0PPM         | WP110088  |

Intercept: 0.0001

Slope: 0.7806

Regression: 0.999994

| 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            |         | 1.77     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 10/07/2024 | 17:25     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.84     | 0.000           | 0.010 | 0.010                 | 0.012         | 20   | 10/07/2024 | 17:26     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.019 | 0.019                 | 0.024         | -4   | 10/07/2024 | 17:27     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.038 | 0.038                 | 0.048         | -4   | 10/07/2024 | 17:28     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.89     | 0.000           | 0.078 | 0.078                 | 0.099         | -1   | 10/07/2024 | 17:29     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.390 | 0.390                 | 0.499         | -0.2 | 10/07/2024 | 17:30     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.781 | 0.781                 | 1.000         | 0    | 10/07/2024 | 17:31     |



## Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB132815

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            |         | 1.90     | 0.000          | 0.392 | 0.392                 | 0.502                      | 10/07/2024 | 17:32     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.000 | 0.000                 | 0.000                      | 10/07/2024 | 17:33     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.391 | 0.391                 | 0.501                      | 10/07/2024 | 17:34     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.75     | 0.000          | 0.000 | 0.000                 | 0.000                      | 10/07/2024 | 17:35     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.009 | 0.009                 | 0.011                      | 10/07/2024 | 17:36     |
| 6   | LB132815BL |            | 1  | 100                 | 100            |         | 1.77     | 0.000          | 0.000 | 0.000                 | 0.000                      | 10/07/2024 | 17:37     |
| 7   | LB132815BS | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.401 | 0.401                 | 0.514                      | 10/07/2024 | 17:38     |
| 8   | P4342-01   |            | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000                      | 10/07/2024 | 17:39     |
| 9   | P4342-01DU |            | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000                      | 10/07/2024 | 17:40     |
| 10  | P4342-01MS | 1          | 2  | 100                 | 100            |         | 2.14     | 0.000          | 0.374 | 0.374                 | 0.479                      | 10/07/2024 | 17:41     |
| 11  | P4342-01MS | 1          | 2  | 100                 | 100            |         | 2.12     | 0.000          | 0.376 | 0.376                 | 0.482                      | 10/07/2024 | 17:42     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.390 | 0.390                 | 0.499                      | 10/07/2024 | 17:43     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | 0.000                      | 10/07/2024 | 17:44     |