



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB126803

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP103688  |
| Calibration Std. hexchrome 0.05 ppm      | WP103687  |
| calibration std. hexchrome 0.01 ppm      | WP103685  |
| calibration std. hexchrome 0 ppm         | WP103684  |
| hexavalent chromium color reagent        | WP103660  |
| 5N sulfuric acid                         | WP102263  |
| HEX LOD STD, 0.005PPM                    | WP103692  |
| Hex LOQ Std, 0.01PPM                     | WP103693  |
| Calibration Std Hexachrome 0.025 ppm     | WP103686  |
| Hexavalent Chromium ICV-LCS Std          | WP103691  |
| Calibration and CCV std HexChrome 0.5PPM | WP103689  |
| Calibration std HexChrome 1.0PPM         | WP103690  |

Intercept: 0

Slope: 0.7809

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            |         | 1.78     | 0.000           | 0.000 | 0.000                 | 0             |      | 08/09/2023 | 15:50     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.007 | 0.007                 | 0.008         | -20  | 08/09/2023 | 15:51     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.019 | 0.019                 | 0.024         | -4   | 08/09/2023 | 15:52     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.87     | 0.000           | 0.039 | 0.039                 | 0.049         | -2   | 08/09/2023 | 15:53     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.080 | 0.080                 | 0.102         | 2    | 08/09/2023 | 15:54     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.92     | 0.000           | 0.390 | 0.390                 | 0.499         | -0.2 | 08/09/2023 | 15:55     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.87     | 0.000           | 0.781 | 0.781                 | 1.000         | 0    | 08/09/2023 | 15:56     |



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ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB126803

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            |         | 1.93     | 0.000          | 0.391 | 0.391                 | 0.501                      | 08/09/2023 | 15:57     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 0.000                      | 08/09/2023 | 15:58     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.392 | 0.392                 | 0.502                      | 08/09/2023 | 15:59     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | 0.000                      | 08/09/2023 | 16:00     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.008 | 0.008                 | 0.010                      | 08/09/2023 | 16:01     |
| 6   | LB126803BL |            | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 0.000                      | 08/09/2023 | 16:02     |
| 7   | LB126803BS | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.405 | 0.405                 | 0.519                      | 08/09/2023 | 16:03     |
| 8   | O3572-07   |            | 1  | 100                 | 100            |         | 1.89     | 0.000          | 0.004 | 0.004                 | 0.005                      | 08/09/2023 | 16:04     |
| 9   | O3572-08   |            | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.007 | 0.007                 | 0.009                      | 08/09/2023 | 16:05     |
| 10  | O3955-22   |            | 1  | 100                 | 100            |         | 2.00     | 0.000          | 0.000 | 0.000                 | 0.000                      | 08/09/2023 | 16:06     |
| 11  | O3955-22DU |            | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.000 | 0.000                 | 0.000                      | 08/09/2023 | 16:07     |
| 12  | O3955-22MS | 1          | 2  | 100                 | 100            |         | 2.02     | 0.000          | 0.376 | 0.376                 | 0.481                      | 08/09/2023 | 16:08     |
| 13  | O3955-22MS | 1          | 2  | 100                 | 100            |         | 2.04     | 0.000          | 0.394 | 0.394                 | 0.505                      | 08/09/2023 | 16:09     |
| 14  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.391 | 0.391                 | 0.501                      | 08/09/2023 | 16:10     |
| 15  | CCB2       |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.000 | 0.000                 | 0.000                      | 08/09/2023 | 16:11     |