

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB130426

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP107583  |
| Calibration Std. hexchrome 0.05 ppm      | WP107582  |
| calibration std. hexchrome 0.01 ppm      | WP107580  |
| calibration std. hexchrome 0 ppm         | WP107579  |
| hexavalent chromium color reagent        | WP107512  |
| 5N sulfuric acid                         | WP105081  |
| Calibration Std Hexachrome 0.025 ppm     | WP107581  |
| Hexavalent Chromium ICV-LCS Std          | WP107586  |
| Calibration and CCV std HexChrome 0.5PPM | WP107584  |
| Calibration std HexChrome 1.0PPM         | WP107585  |

Intercept: -0.0003

Slope: 0.7828

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            |         | 1.74     | 0.000           | 0.000 | 0.000                 | 0.000         |      | 04/22/2024 | 09:30     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.008 | 0.008                 | 0.010         | 0    | 04/22/2024 | 09:31     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.019 | 0.019                 | 0.024         | -4   | 04/22/2024 | 09:32     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.89     | 0.000           | 0.038 | 0.038                 | 0.048         | -4   | 04/22/2024 | 09:33     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.079 | 0.079                 | 0.101         | 1    | 04/22/2024 | 09:34     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.390 | 0.390                 | 0.498         | -0.4 | 04/22/2024 | 09:35     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.783 | 0.783                 | 1.000         | 0    | 04/22/2024 | 09:36     |



## Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB130426

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          | 0.394 | 0.394                 | 0.504                      | 04/22/2024 | 09:37     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.001 | 0.001                 | 0.002                      | 04/22/2024 | 09:38     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.392 | 0.392                 | 0.501                      | 04/22/2024 | 09:39     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.001 | 0.001                 | 0.002                      | 04/22/2024 | 09:40     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.91     | 0.000          | 0.008 | 0.008                 | 0.011                      | 04/22/2024 | 09:41     |
| 6   | lb130426BL |            | 1  | 100                 | 100            |         | 1.76     | 0.000          | 0.001 | 0.001                 | 0.002                      | 04/22/2024 | 09:42     |
| 7   | lb130426BS | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.391 | 0.391                 | 0.500                      | 04/22/2024 | 09:43     |
| 8   | P2218-01   |            | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000                      | 04/22/2024 | 09:44     |
| 9   | P2218-02   |            | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000                      | 04/22/2024 | 09:45     |
| 10  | P2218-02DU |            | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.000 | 0.000                 | 0.000                      | 04/22/2024 | 09:46     |
| 11  | P2218-02MS | 1          | 2  | 100                 | 100            |         | 2.06     | 0.000          | 0.367 | 0.367                 | 0.469                      | 04/22/2024 | 09:47     |
| 12  | P2218-02MS | 1          | 2  | 100                 | 100            |         | 2.08     | 0.000          | 0.369 | 0.369                 | 0.472                      | 04/22/2024 | 09:48     |
| 13  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.390 | 0.390                 | 0.499                      | 04/22/2024 | 09:49     |
| 14  | CCB2       |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.001 | 0.001                 | 0.002                      | 04/22/2024 | 09:50     |

WORKLIST(Hardcopy Internal Chain)

6130426

WorkList Name : HEX-W-4-19

WorkList ID : 179599

Department : Wet-Chemistry

Date : 04-19-2024 15:55:37

| Sample   | Customer Sample | Matrix | Test                | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------------|-------------------------|----------|-----------------------------|--------------|--------|
| P2218-01 | B-131-GW-01     | Water  | Hexavalent Chromium | Ammonium sulfate buffer | PORT06   | I11                         | 04/19/2024   | 7196A  |
| P2218-02 | B-131-GW-02     | Water  | Hexavalent Chromium | Ammonium sulfate buffer | PORT06   | I11                         | 04/19/2024   | 7196A  |

Date/Time 04/19/2024 17.35  
Raw Sample Received by: RM GWC  
Raw Sample Relinquished by: JH GWC

Date/Time 04/19/2024 18.00  
Raw Sample Received by: JH GWC  
Raw Sample Relinquished by: RM GWC