

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125607

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP102595  |
| Calibration Std. hexchrome 0.05 ppm      | WP102594  |
| calibration std. hexchrome 0.01 ppm      | WP102592  |
| calibration std. hexchrome 0 ppm         | WP102591  |
| hexavalent chromium color reagent        | WP102535  |
| 5N sulfuric acid                         | WP102263  |
| Calibration Std Hexachrome 0.025 ppm     | WP102593  |
| Hexavalent Chromium ICV-LCS Std          | WP102598  |
| Calibration and CCV std HexChrome 0.5PPM | WP102596  |
| Calibration std HexChrome 1.0PPM         | WP102597  |

Intercept: -0.0005

Slope: 0.7819

Regression: 0.999991

| 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            |         | 1.80     | 0.000           | 0.000 | 0.000                 | 0.000         |      | 05/23/2023 | 16:25     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.006 | 0.006                 | 0.008         | -20  | 05/23/2023 | 16:26     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.018 | 0.018                 | 0.023         | -8   | 05/23/2023 | 16:27     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.038 | 0.038                 | 0.049         | -2   | 05/23/2023 | 16:28     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.080 | 0.080                 | 0.102         | 2    | 05/23/2023 | 16:29     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.391 | 0.391                 | 0.500         | 0    | 05/23/2023 | 16:30     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.781 | 0.781                 | 0.999         | -0.1 | 05/23/2023 | 16:31     |



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Run Number: LB125607

pH Meter ID: WC pH Meter-1

| Seq | Lab ID     | True Value | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HNO3 | pH H2SO4 | Absorb.at540nm |       | Absorbance Difference | Intermediate Result (mg/L) | Anal Date  | Anal Time |
|-----|------------|------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|----------------------------|------------|-----------|
|     |            |            |    |                     |                |         |          | Backgrnd       | Color |                       |                            |            |           |
| 1   | ICV        | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.390 | 0.390                 | 0.499                      | 05/23/2023 | 16:32     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.81     | 0.000          | 0.001 | 0.001                 | 0.002                      | 05/23/2023 | 16:33     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.392 | 0.392                 | 0.502                      | 05/23/2023 | 16:34     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.001 | 0.001                 | 0.002                      | 05/23/2023 | 16:35     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.009 | 0.009                 | 0.012                      | 05/23/2023 | 16:36     |
| 6   | LB125607BL |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.001 | 0.001                 | 0.002                      | 05/23/2023 | 16:37     |
| 7   | LB125607BS | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.381 | 0.381                 | 0.488                      | 05/23/2023 | 16:38     |
| 8   | O2899-10   |            | 1  | 100                 | 100            |         | 2.14     | 0.000          | 0.000 | 0.000                 | 0.001                      | 05/23/2023 | 16:39     |
| 9   | O2899-10DU |            | 1  | 100                 | 100            |         | 2.12     | 0.000          | 0.000 | 0.000                 | 0.001                      | 05/23/2023 | 16:40     |
| 10  | O2899-10MS | 1          | 2  | 100                 | 100            |         | 2.10     | 0.000          | 0.214 | 0.214                 | 0.274                      | 05/23/2023 | 16:41     |
| 11  | O2899-10MS | 1          | 2  | 100                 | 100            |         | 2.12     | 0.000          | 0.216 | 0.216                 | 0.277                      | 05/23/2023 | 16:42     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.393 | 0.393                 | 0.503                      | 05/23/2023 | 16:43     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.001 | 0.001                 | 0.002                      | 05/23/2023 | 16:44     |

# WORKLIST(Hardcopy Internal Chain)

6b125607

WorkList Name : hex w5-23

WorkList ID : 170245

Department : Wet-Chemistry

Date : 05-23-2023 09:35:33

| Sample   | Customer Sample | Matrix | Test                | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------------|-------------------------|----------|-----------------------------|--------------|--------|
| O2899-10 | TWP01           | Water  | Hexavalent Chromium | Ammonium sulfate buffer | lou01    | O11                         | 05/22/2023   | 7196A  |

Date/Time 05/23/2023 09:15  
 Raw Sample Received by: RPA GWS  
 Raw Sample Relinquished by: JPA GWS

Date/Time 05/23/2023 10:00  
 Raw Sample Received by: JPA GWS  
 Raw Sample Relinquished by: RPA GWS