

## Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133639

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP110886  |
| Calibration Std. hexchrome 0.05 ppm      | WP110885  |
| calibration std. hexchrome 0.01 ppm      | WP110883  |
| calibration std. hexchrome 0 ppm         | WP110882  |
| hexavalent chromium color reagent        | WP110866  |
| 0.2N SULFURIC ACID                       | WP109325  |
| Calibration Std Hexachrome 0.025 ppm     | WP110884  |
| Hexavalent Chromium ICV-LCS Std          | WP110889  |
| Calibration and CCV std HexChrome 0.5PPM | WP110887  |
| Calibration std HexChrome 1.0PPM         | WP110888  |

Intercept: 0.0003

Slope: 0.7805

Regression: 0.999993

| 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                 | -0.00         |      | 11/26/2024 | 16:45     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.010 | 0.010                 | 0.012         | 20   | 11/26/2024 | 16:51     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.019 | 0.019                 | 0.023         | -8   | 11/26/2024 | 16:47     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.038 | 0.038                 | 0.048         | -4   | 11/26/2024 | 16:48     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.079 | 0.079                 | 0.100         | 0    | 11/26/2024 | 16:49     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.84     | 0.000           | 0.390 | 0.390                 | 0.499         | -0.2 | 11/26/2024 | 16:50     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.781 | 0.781                 | 1.000         | 0    | 11/26/2024 | 16:51     |

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SUPERVISOR REVIEW BY: Iwona

Run Number: LB133639

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            |         | 1.92     | 0.000          | 0.390 | 0.390                 | 0.499                      | 11/26/2024 | 16:52     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.74     | 0.000          | 0.000 | 0.000                 | 0.000                      | 11/26/2024 | 16:53     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.392 | 0.392                 | 0.502                      | 11/26/2024 | 16:54     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | 0.000                      | 11/26/2024 | 16:55     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.009 | 0.009                 | 0.011                      | 11/26/2024 | 16:56     |
| 6   | lb133639BL |            | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 0.000                      | 11/26/2024 | 16:57     |
| 7   | lb133639BS | 0.5        | 1  | 100                 | 100            |         | 1.94     | 0.000          | 0.391 | 0.391                 | 0.501                      | 11/26/2024 | 16:58     |
| 8   | P5018-07   |            | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 0.000                      | 11/26/2024 | 16:59     |
| 9   | P5018-07DU |            | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000                      | 11/26/2024 | 17:00     |
| 10  | P5018-07MS | 1          | 2  | 100                 | 100            |         | 2.10     | 0.000          | 0.381 | 0.381                 | 0.488                      | 11/26/2024 | 17:01     |
| 11  | P5018-07MS | 1          | 2  | 100                 | 100            |         | 2.10     | 0.000          | 0.383 | 0.383                 | 0.490                      | 11/26/2024 | 17:02     |
| 12  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.390 | 0.390                 | 0.499                      | 11/26/2024 | 17:03     |
| 13  | CCB2       |            | 1  | 100                 | 100            |         | 1.76     | 0.000          | 0.000 | 0.000                 | 0.000                      | 11/26/2024 | 17:04     |

# WORKLIST(Hardcopy Internal Chain)

6133639

WorkList Name : hex-11-26-\*

WorkList ID : 185799

Department : Wet-Chemistry

Date : 11-26-2024 13:04:25

| Sample   | Customer Sample | Matrix | Test                | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method      |
|----------|-----------------|--------|---------------------|-------------------------|----------|-----------------------------|--------------|-------------|
| P5018-07 | 14B-(1-4)-COMP  | Water  | Hexavalent Chromium | Ammonium sulfate buffer | NEWY17   | L51                         | 11/26/2024   | SM3500-Cr B |

Date/Time 11/26/2024 15:00  
 Raw Sample Received by: RM CWC  
 Raw Sample Relinquished by: JG WJC

Date/Time 11/26/2024 15:30  
 Raw Sample Received by: JG WJC  
 Raw Sample Relinquished by: RM CWC