

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB132576

pH Meter ID: WC pH Meter-1

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP109882  |
| Calibration Std. hexchrome 0.05 ppm      | WP109881  |
| calibration std. hexchrome 0.01 ppm      | WP109879  |
| calibration std. hexchrome 0 ppm         | WP109878  |
| hexavalent chromium color reagent        | WP109886  |
| 0.2N SULFURIC ACID                       | WP109325  |
| Calibration Std Hexachrome 0.025 ppm     | WP109880  |
| Hexavalent Chromium ICV-LCS Std          | WP109885  |
| Calibration and CCV std HexChrome 0.5PPM | WP109883  |
| Calibration std HexChrome 1.0PPM         | WP109884  |

Intercept: 0.0003

Slope: 0.7816

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            |         | 1.76     | 0.000           | 0.000 | 0.000                 | -0.00         |      | 09/24/2024 | 16:50     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.010 | 0.010                 | 0.012         | 20   | 09/24/2024 | 16:51     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.85     | 0.000           | 0.019 | 0.019                 | 0.023         | -8   | 09/24/2024 | 16:52     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.89     | 0.000           | 0.039 | 0.039                 | 0.049         | -2   | 09/24/2024 | 16:53     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.078 | 0.078                 | 0.099         | -1   | 09/24/2024 | 16:54     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.90     | 0.000           | 0.391 | 0.391                 | 0.499         | -0.2 | 09/24/2024 | 16:55     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 1.86     | 0.000           | 0.782 | 0.782                 | 1.000         | 0    | 09/24/2024 | 16:56     |



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Run Number: LB132576

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            |         | 1.91     | 0.000          | 0.399 | 0.399                 | 0.510                      | 09/24/2024 | 16:57     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.000 | 0.000                 | 0.000                      | 09/24/2024 | 16:58     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.390 | 0.390                 | 0.499                      | 09/24/2024 | 16:59     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.75     | 0.000          | 0.000 | 0.000                 | 0.000                      | 09/24/2024 | 17:00     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.90     | 0.000          | 0.009 | 0.009                 | 0.011                      | 09/24/2024 | 17:01     |
| 6   | LB132576BL |            | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | 0.000                      | 09/24/2024 | 17:02     |
| 7   | LB132576BS | 0.5        | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.392 | 0.392                 | 0.501                      | 09/24/2024 | 17:03     |
| 8   | P3848-02   |            | 1  | 100                 | 100            |         | 2.02     | 0.000          | 0.447 | 0.447                 | 0.572                      | 09/24/2024 | 17:04     |
| 9   | P4165-07   |            | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000                      | 09/24/2024 | 17:05     |
| 10  | P4165-07DU |            | 1  | 100                 | 100            |         | 2.06     | 0.000          | 0.000 | 0.000                 | 0.000                      | 09/24/2024 | 17:06     |
| 11  | P4165-07MS | 1          | 2  | 100                 | 100            |         | 2.12     | 0.000          | 0.390 | 0.390                 | 0.499                      | 09/24/2024 | 17:07     |
| 12  | P4165-07MS | 1          | 2  | 100                 | 100            |         | 2.06     | 0.000          | 0.388 | 0.388                 | 0.496                      | 09/24/2024 | 17:08     |
| 13  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.92     | 0.000          | 0.391 | 0.391                 | 0.500                      | 09/24/2024 | 17:09     |
| 14  | CCB2       |            | 1  | 100                 | 100            |         | 1.77     | 0.000          | 0.000 | 0.000                 | 0.000                      | 09/24/2024 | 17:10     |

WORKLIST(Hardcopy Internal Chain)

6132576

WorkList Name : HEX 9-24      WorkList ID : 183775      Department : Wet-Chemistry      Date : 09-24-2024 13:59:10

| Sample   | Customer Sample | Matrix | Test                | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method      |
|----------|-----------------|--------|---------------------|-------------------------|----------|-----------------------------|--------------|-------------|
| P3848-02 | PT-CR6-WP       | Water  | Hexavalent Chromium | Cool 4 deg C            | CHEM02   | QA Of                       | 09/03/2024   | SM3500-Cr B |
| P4165-07 | 14B-(1-4)-COMP  | Water  | Hexavalent Chromium | Ammonium sulfate buffer | NEWY17   | J41                         | 09/24/2024   | SM3500-Cr B |

Date/Time 09/24/2024 15:40  
Raw Sample Received by: RM cwc  
Raw Sample Relinquished by: Dade

Date/Time 09/24/2024 16:30  
Raw Sample Received by: Dade  
Raw Sample Relinquished by: Rycu