

# Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: sweta

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB97262

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP66968   |
| Calibration Std. hexchrome 0.05 ppm   | WP66969   |
| Calibratation STD HexaChrome 1 PPM    | WP66970   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP66971   |
| calibration std. hexchrome 0.01 ppm   | WP66972   |
| calibration std. hexchrome 0 ppm      | WP66956   |
| Hexavalent Chromium ICV Std.          | WP66963   |
| Hexavalent Chromium CCV Std           | WP66973   |
| hexavalent chromium color reagent     | WP66955   |
| 0.2N SULFURIC ACID                    | WP62858   |
| Calibration std Hexachrome, 0.025ppm  | WP66974   |

Intercept: 0.0002

Slope: 0.7607

Regression: 0.999976

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb. at 540 |       | Absorbance Difference | Anal Date  | Anal Time |
|-----|--------|-------------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|------------|-----------|
|     |        |                   |    |                     |                |         |          | Backgrnd       | Color |                       |            |           |
| 1   | CAL1   | 0                 | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.000 | 0.000                 | 08/13/2018 | 10:10     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.007 | 0.007                 | 08/13/2018 | 10:10     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 1.75     | 0.000          | 0.017 | 0.017                 | 08/13/2018 | 10:11     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.98     | 0.000          | 0.038 | 0.038                 | 08/13/2018 | 10:11     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.85     | 0.000          | 0.078 | 0.078                 | 08/13/2018 | 10:12     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 1.85     | 0.000          | 0.384 | 0.384                 | 08/13/2018 | 10:12     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.759 | 0.759                 | 08/13/2018 | 10:13     |



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| Seq | Lab ID      | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb. at 540 |       | Absorbance Difference | Result | Anal Date  | Anal Time |
|-----|-------------|-------------------|----|---------------------|----------------|---------|----------|----------------|-------|-----------------------|--------|------------|-----------|
|     |             |                   |    |                     |                |         |          | Backgrnd       | Color |                       |        |            |           |
| 1   | ICV         | 0.5               | 1  | 100                 | 100            |         | 2.13     | 0.000          | 0.386 | 0.386                 | 0.507  | 08/13/2018 | 10:13     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 1.89     | 0.000          | 0.000 | 0.000                 | 0.000  | 08/13/2018 | 10:14     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 1.77     | 0.000          | 0.385 | 0.385                 | 0.506  | 08/13/2018 | 10:14     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 2.10     | 0.000          | 0.000 | 0.000                 | 0.000  | 08/13/2018 | 10:15     |
| 5   | 1b97262BL   |                   | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.000 | 0.000                 | 0.000  | 08/13/2018 | 10:15     |
| 6   | 1b97262BS   | 0.5               | 1  | 100                 | 100            |         | 1.96     | 0.000          | 0.386 | 0.386                 | 0.507  | 08/13/2018 | 10:16     |
| 7   | J4458-01    |                   | 1  | 100                 | 100            |         | 1.69     | 0.002          | 0.003 | 0.001                 | 0.001  | 08/13/2018 | 10:16     |
| 8   | J4458-01DUP |                   | 1  | 100                 | 100            |         | 2.06     | 0.003          | 0.004 | 0.001                 | 0.001  | 08/13/2018 | 10:17     |
| 9   | J4458-01MS  | 1                 | 2  | 100                 | 100            |         | 2.13     | 0.003          | 0.053 | 0.050                 | 0.065  | 08/13/2018 | 10:17     |
| 10  | J4458-01MSD | 1                 | 2  | 100                 | 100            |         | 1.99     | 0.004          | 0.055 | 0.051                 | 0.067  | 08/13/2018 | 10:18     |
| 11  | J4458-02    |                   | 1  | 100                 | 100            |         | 1.89     | 0.062          | 0.063 | 0.001                 | 0.001  | 08/13/2018 | 10:18     |
| 12  | J4458-03    |                   | 1  | 100                 | 100            |         | 1.75     | 0.063          | 0.064 | 0.001                 | 0.001  | 08/13/2018 | 10:19     |
| 13  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 1.69     | 0.000          | 0.385 | 0.385                 | 0.506  | 08/13/2018 | 10:19     |
| 14  | CCB2        |                   | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.000 | 0.000                 | 0.000  | 08/13/2018 | 10:20     |

# WORKLIST(Hardcopy Internal Chain)

LB 97262

WorkList Name : hex081318-1

WorkList ID : 115565

Date : 8/13/2018 9:30:26 PM

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method      |
|------------|--------|----------|---------------------|--------------|----------|------------------|-----------------|--------------|-------------|
| 08/13/2018 | Water  | J4458-01 | Hexavalent Chromium | Cool 4 deg C | DIST01   | P53              | MH-92A          | 08/12/2018   | SM3500-Cr B |
| 08/13/2018 | Water  | J4458-02 | Hexavalent Chromium | Cool 4 deg C | DIST01   | P53              | MH-93           | 08/12/2018   | SM3500-Cr B |
| 08/13/2018 | Water  | J4458-03 | Hexavalent Chromium | Cool 4 deg C | DIST01   | P53              | MH-94           | 08/12/2018   | SM3500-Cr B |

Date/Time 08/13/18 9:35

Received by: SP

Relinquished by: SP

Date/Time 08/13/18 11:00

Received by: SP

Relinquished by: SP