



## Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB99669

pH Meter ID: WC pH Meter-1

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm    | WP70112   |
| Calibration Std. hexchrome 0.05 ppm   | WP70111   |
| Hexavalent Chromium LCS Std           | WP70117   |
| Calibratation STD HexaChrome 1 PPM    | WP70114   |
| Calibratation STD Hexa Chrome 0.5 PPM | WP70113   |
| calibration std. hexchrome 0.01 ppm   | WP70109   |
| calibration std. hexchrome 0 ppm      | WP70108   |
| Hexavalent Chromium ICV Std.          | WP70115   |
| Hexavalent Chromium CCV Std           | WP70116   |
| hexavalent chromium color reagent     | WP70013   |
| 0.2N SULFURIC ACID                    | WP68120   |
| Calibration std Hexachrome, 0.025ppm  | WP70110   |

Intercept: 0.0002

Slope: 0.7529

Regression: 0.999947

| 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            |         | 1.66     | 0.000          | 0.000 | 0.000                 | 12/07/2018 | 13:05     |
| 2   | CAL2   | 0.01              | 1  | 100                 | 100            |         | 2.34     | 0.000          | 0.007 | 0.007                 | 12/07/2018 | 13:05     |
| 3   | CAL3   | 0.025             | 1  | 100                 | 100            |         | 2.21     | 0.000          | 0.017 | 0.017                 | 12/07/2018 | 13:06     |
| 4   | CAL4   | 0.05              | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.039 | 0.039                 | 12/07/2018 | 13:06     |
| 5   | CAL5   | 0.1               | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.080 | 0.080                 | 12/07/2018 | 13:07     |
| 6   | CAL6   | 0.5               | 1  | 100                 | 100            |         | 2.40     | 0.000          | 0.372 | 0.372                 | 12/07/2018 | 13:07     |
| 7   | CAL7   | 1                 | 1  | 100                 | 100            |         | 1.59     | 0.000          | 0.755 | 0.755                 | 12/07/2018 | 13:08     |



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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            |         | 2.14     | 0.000          | 0.375 | 0.375                 | 0.498  | 12/07/2018 | 13:08     |
| 2   | ICB         |                   | 1  | 100                 | 100            |         | 1.80     | 0.000          | 0.000 | 0.000                 | 0.000  | 12/07/2018 | 13:09     |
| 3   | CCV1        | 0.5               | 1  | 100                 | 100            |         | 2.35     | 0.000          | 0.376 | 0.376                 | 0.499  | 12/07/2018 | 19:01     |
| 4   | CCB1        |                   | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.000 | 0.000                 | 0.000  | 12/07/2018 | 19:01     |
| 5   | LB99669BL   |                   | 1  | 100                 | 100            |         | 2.21     | 0.000          | 0.000 | 0.000                 | 0.000  | 12/07/2018 | 19:02     |
| 6   | LB99669BS   | 0.5               | 1  | 100                 | 100            |         | 1.63     | 0.000          | 0.365 | 0.365                 | 0.485  | 12/07/2018 | 19:02     |
| 7   | J6318-01    |                   | 1  | 100                 | 100            |         | 2.08     | 0.004          | 0.004 | 0.000                 | 0.000  | 12/07/2018 | 19:03     |
| 8   | J6318-01DUP |                   | 1  | 100                 | 100            |         | 2.41     | 0.004          | 0.004 | 0.000                 | 0.000  | 12/07/2018 | 19:03     |
| 9   | J6318-01MS  | 1                 | 2  | 100                 | 100            |         | 1.65     | 0.005          | 0.370 | 0.365                 | 0.485  | 12/07/2018 | 19:04     |
| 10  | J6318-01MSD | 1                 | 2  | 100                 | 100            |         | 2.40     | 0.005          | 0.371 | 0.366                 | 0.486  | 12/07/2018 | 19:04     |
| 11  | CCV2        | 0.5               | 1  | 100                 | 100            |         | 1.97     | 0.000          | 0.376 | 0.376                 | 0.499  | 12/07/2018 | 19:05     |
| 12  | CCB2        |                   | 1  | 100                 | 100            |         | 2.04     | 0.000          | 0.000 | 0.000                 | 0.000  | 12/07/2018 | 19:05     |

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WORKLIST(Hardcopy Internal Chain)

WorkList Name : Hex120718-3      WorkList ID : 120082      Date : 12/7/2018 6:12:31 PM

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Storage Location | Customer Sample       | Collect Date | Method      |
|------------|--------|----------|---------------------|--------------|----------|------------------|-----------------------|--------------|-------------|
| 12/08/2018 | Water  | J6318-01 | Hexavalent Chromium | Cool 4 deg C | TULL02   | L22              | WEST-8TH-BOX-COVER-TE | 12/07/2018   | SM3500-Cr B |

Date/Time  
12/07/18 18:50

Received by:  
IB

Relinquished by:  
CB

Date/Time  
12/07/18 19:10

Received by:  
CB

Relinquished by:  
IB