CHEMTECH

# Analytical Summary Report

Analysis Method: SM3500-Cr B

Parameter: Hexavalent Chromium

Run Number: LB86459

ANALYST: Indiana

SUPERVISOR REVIEW BY: apatel

| Reagent/Standard | Lot/Log # |
|---|---|
| Calibration Std. hexchrome 0.1 ppm | WP53637 |
| Calibration Std. hexchrome 0.05 ppm | WP53636 |
| Hexavalent Chromium LCS Std | WP53642 |
| Calibratation STD HexaChrome 1 PPM | WP53639 |
| Calibratation STD Hexa Chrome 0.5 PPM | WP53638 |
| calibration std. hexchrome 0.01 ppm | WP53634 |
| calibration std. hexchrome 0 ppm | WP53646 |
| Hexavalent Chromium ICV Std. | WP53640 |
| Hexavalent Chromium CCV Std | WP53641 |
| hexavalent chromium color reagent | WP53298 |
| 0.2N SULFURIC ACID | WP49860 |
| Calibration std Hexachrome, 0.025ppm | WP53635 |

**Intercept:** 0.0008 **Slope:** 0.7615 **Regression:** 0.999966

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | PH HN03 | PH H2so4 | Absorbance | | Absorbance Difference | Anal Date | Anal Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Backgrnd | Color | | | |
| 1 | CAL1 | 0 | 1 | 100 | 100 | | 1.90 | 0.000 | 0.000 | 0.000 | 03/20/2017 | 14:00 |
| 2 | CAL2 | 0.01 | 1 | 100 | 100 | | 2.07 | 0.000 | 0.007 | 0.007 | 03/20/2017 | 14:00 |
| 3 | CAL3 | 0.025 | 1 | 100 | 100 | | 2.39 | 0.000 | 0.019 | 0.019 | 03/20/2017 | 14:01 |
| 4 | CAL4 | 0.05 | 1 | 100 | 100 | | 2.10 | 0.000 | 0.038 | 0.038 | 03/20/2017 | 14:01 |
| 5 | CAL5 | 0.1 | 1 | 100 | 100 | | 1.80 | 0.000 | 0.079 | 0.079 | 03/20/2017 | 14:02 |
| 6 | CAL6 | 0.5 | 1 | 100 | 100 | | 1.71 | 0.000 | 0.386 | 0.386 | 03/20/2017 | 14:02 |
| 7 | CAL7 | 1 | 1 | 100 | 100 | | 2.26 | 0.000 | 0.760 | 0.760 | 03/20/2017 | 14:03 |

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| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | PH HN03 | PH H2so4 | Absorbance | | Absorbance Difference | Result | Anal Date | Anal Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Backgrnd | Color | | | | |
| 1 | ICV | 0.5 | 1 | 100 | 100 | | 2.32 | 0.000 | 0.390 | 0.390 | 0.511 | 03/20/2017 | 14:03 |
| 2 | ICB | | 1 | 100 | 100 | | 1.79 | 0.000 | 0.000 | 0.000 | -0.001 | 03/20/2017 | 14:04 |
| 3 | CCV1 | 0.5 | 1 | 100 | 100 | | 2.34 | 0.000 | 0.381 | 0.381 | 0.499 | 03/20/2017 | 14:04 |
| 4 | CCB1 | | 1 | 100 | 100 | | 2.20 | 0.000 | 0.000 | 0.000 | -0.001 | 03/20/2017 | 14:05 |
| 5 | LB86459BL | | 1 | 100 | 100 | | 1.55 | 0.000 | 0.000 | 0.000 | -0.001 | 03/20/2017 | 14:05 |
| 6 | LB86459BS | 0.5 | 1 | 100 | 100 | | 1.60 | 0.000 | 0.389 | 0.389 | 0.510 | 03/20/2017 | 14:06 |
| 7 | I2212-02 | | 1 | 100 | 100 | | 2.14 | 0.000 | 0.210 | 0.210 | 0.275 | 03/20/2017 | 14:06 |
| 8 | CCV2 | 0.5 | 1 | 100 | 100 | | 2.37 | 0.000 | 0.385 | 0.385 | 0.505 | 03/20/2017 | 14:07 |
| 9 | CCB2 | | 1 | 100 | 100 | | 2.46 | 0.000 | 0.000 | 0.000 | -0.001 | 03/20/2017 | 14:07 |