CHEMTECH

# Analytical Summary Report

Analysis Method: 7196A
Parameter: Hexavalent Chromium
Run Number: LB102531

ANALYST: Aparna
SUPERVISOR REVIEW BY: apatel
pH Meter ID: WC PH METER-1

| Reagent/Standard | Lot/Log # |
|---|---|
| Calibratation STD HexaChrome 1 PPM | WP74393 |
| Calibratation STD Hexa Chrome 0.5 PPM | WP74394 |
| Calibration Std. hexchrome 0.1 ppm | WP74399 |
| Calibration Std. hexchrome 0.05 ppm | WP74398 |
| calibration std. hexchrome 0.01 ppm | WP74397 |
| calibration std. hexchrome 0 ppm | WP74396 |
| Hexavalent Chromium ICV Std. | WP74401 |
| Hexavalent Chromium CCV Std | WP74400 |
| hexavalent chromium color reagent | WP74343 |
| 5N sulfuric acid | WP74163 |
| Calibration std Hexachrome, 0.025ppm | WP74395 |
| HNO3 Hex-Chrome, 5M | WP74162 |

**Intercept:** 0.0002 **Slope:** 0.7714 **Regression:** 0.99998

| 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 | | 2.30 | 0.000 | 0.000 | 0.000 | 05/03/2019 | 11:00 |
| 2 | CAL2 | 0.01 | 1 | 100 | 100 | | 1.90 | 0.000 | 0.008 | 0.008 | 05/03/2019 | 11:00 |
| 3 | CAL3 | 0.025 | 1 | 100 | 100 | | 2.05 | 0.000 | 0.017 | 0.017 | 05/03/2019 | 11:01 |
| 4 | CAL4 | 0.05 | 1 | 100 | 100 | | 2.15 | 0.000 | 0.040 | 0.040 | 05/03/2019 | 11:01 |
| 5 | CAL5 | 0.1 | 1 | 100 | 100 | | 1.89 | 0.000 | 0.077 | 0.077 | 05/03/2019 | 11:02 |
| 6 | CAL6 | 0.5 | 1 | 100 | 100 | | 2.35 | 0.000 | 0.389 | 0.389 | 05/03/2019 | 11:02 |
| 7 | CAL7 | 1 | 1 | 100 | 100 | | 2.15 | 0.000 | 0.770 | 0.770 | 05/03/2019 | 11:03 |

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Parameter: Hexavalent Chromiu
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Run Number: LB102531
pH Meter ID: WC PH METER-1

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb. at 540 Backgrnd | Absorb. at 540 Color | Absorbance Difference | Result | Anal Date | Anal Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ICV | 0.5 | 1 | 100 | 100 | | 1.65 | 0.000 | 0.390 | 0.390 | 0.505 | 05/03/2019 | 11:03 |
| 2 | ICB | | 1 | 100 | 100 | | 1.56 | 0.000 | 0.000 | 0.000 | 0.000 | 05/03/2019 | 11:04 |
| 3 | CCV1 | 0.5 | 1 | 100 | 100 | | 1.60 | 0.000 | 0.391 | 0.391 | 0.507 | 05/03/2019 | 11:04 |
| 4 | CCB1 | | 1 | 100 | 100 | | 2.10 | 0.000 | 0.000 | 0.000 | 0.000 | 05/03/2019 | 11:05 |
| 5 | PB119442BL | | 1 | 2.51 | 100 | 7.25 | 1.55 | 0.000 | 0.000 | 0.000 | 0.000 | 05/03/2019 | 11:05 |
| 6 | PB119442BS | 20 | 1 | 2.53 | 100 | 7.99 | 2.01 | 0.000 | 0.367 | 0.367 | 0.475 | 05/03/2019 | 11:06 |
| 7 | K2635-01 | | 1 | 2.51 | 100 | 7.12 | 2.03 | 0.014 | 0.015 | 0.001 | 0.001 | 05/03/2019 | 11:06 |
| 8 | K2635-01DUP | | 1 | 2.54 | 100 | 7.15 | 1.65 | 0.013 | 0.014 | 0.001 | 0.001 | 05/03/2019 | 11:07 |
| 9 | K2635-01MSPre | 40 | 2 | 2.52 | 100 | 7.16 | 2.05 | 0.016 | 0.365 | 0.349 | 0.452 | 05/03/2019 | 11:08 |
| 10 | K2635-01MS2Ins | 1284 | 40 | 2.53 | 100 | 7.25 | 2.15 | 0.012 | 0.570 | 0.558 | 0.723 | 05/03/2019 | 11:08 |
| 11 | K2635-01MS3Post | 40 | 2 | 2.50 | 100 | 7.35 | 2.35 | 0.018 | 0.360 | 0.342 | 0.443 | 05/03/2019 | 11:09 |
| 12 | K2635-03 | | 1 | 2.52 | 100 | 7.54 | 1.80 | 0.030 | 0.030 | 0.000 | 0.000 | 05/03/2019 | 11:09 |
| 13 | K2635-05 | | 1 | 2.55 | 100 | 7.65 | 2.01 | 0.041 | 0.041 | 0.000 | 0.000 | 05/03/2019 | 11:10 |
| 14 | K2635-07 | | 1 | 2.53 | 100 | 7.58 | 2.36 | 0.035 | 0.035 | 0.000 | 0.000 | 05/03/2019 | 11:10 |
| 15 | CCV2 | 0.5 | 1 | 100 | 100 | | 1.99 | 0.000 | 0.365 | 0.365 | 0.473 | 05/03/2019 | 11:11 |
| 16 | CCB2 | | 1 | 100 | 100 | | 1.51 | 0.000 | 0.000 | 0.000 | 0.000 | 05/03/2019 | 11:11 |
| 17 | K2642-01 | | 1 | 2.54 | 100 | 7.66 | 2.08 | 0.038 | 0.038 | 0.000 | 0.000 | 05/03/2019 | 11:12 |
| 18 | K2647-01 | | 1 | 2.50 | 100 | 7.45 | 2.16 | 0.018 | 0.018 | 0.000 | 0.000 | 05/03/2019 | 11:12 |
| 19 | K2647-03 | | 1 | 2.51 | 100 | 7.55 | 2.31 | 0.045 | 0.045 | 0.000 | 0.000 | 05/03/2019 | 11:13 |
| 20 | K2668-01 | | 1 | 2.53 | 100 | 7.80 | 2.40 | 0.047 | 0.047 | 0.000 | 0.000 | 05/03/2019 | 11:13 |
| 21 | K2668-03 | | 1 | 2.54 | 100 | 7.64 | 2.36 | 0.029 | 0.029 | 0.000 | 0.000 | 05/03/2019 | 11:14 |
| 22 | K2668-05 | | 1 | 2.52 | 100 | 7.89 | 1.85 | 0.025 | 0.025 | 0.000 | 0.000 | 05/03/2019 | 11:14 |
| 23 | K2677-01 | | 1 | 2.54 | 100 | 7.36 | 2.01 | 0.009 | 0.009 | 0.000 | 0.000 | 05/03/2019 | 11:15 |
| 24 | K2678-01 | | 1 | 2.50 | 100 | 7.10 | 2.11 | 0.012 | 0.013 | 0.001 | 0.001 | 05/03/2019 | 11:15 |
| 25 | CCV3 | 0.5 | 1 | 100 | 100 | | 1.90 | 0.011 | 0.385 | 0.374 | 0.485 | 05/03/2019 | 11:16 |
| 26 | CCB3 | | 1 | 100 | 100 | | 1.62 | 0.000 | 0.000 | 0.000 | 0.000 | 05/03/2019 | 11:16 |