CHEMTECH

# Analytical Summary Report

Analysis Method: 7196A
Parameter: Hexavalent Chromium
Run Number: LB111049

ANALYST: ketankumar
SUPERVISOR REVIEW BY: apatel
pH Meter ID: WC pH Meter-1

| Reagent/Standard | Lot/Log # |
|---|---|
| Calibration Std. hexchrome 0.1 ppm | WP86901 |
| Calibration Std. hexchrome 0.05 ppm | WP86902 |
| calibration std. hexchrome 0.01 ppm | WP86903 |
| calibration std. hexchrome 0 ppm | WP86905 |
| hexavalent chromium color reagent | WP86842 |
| 5N sulfuric acid | WP84066 |
| HNO3 Hex-Chrome, 5M | WP84067 |
| Hexchrome Cleaning Solution | WP84106 |
| Calibration Std Hexachrome 0.025 ppm | WP86904 |
| Hexavalent Chromium ICV-LCS Std | WP86906 |
| Calibration and CCV std HexChrome 0.5PPM | WP86900 |
| Calibration std HexChrome 1.0PPM | WP86899 |

**Intercept:** 0.0001 **Slope:** 0.7991 **Regression:** 1

| 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 | | 2.04 | 0.000 | 0.000 | 0.000 | 09/18/2020 | 13:45 |
| 2 | CAL2 | 0.01 | 1 | 100 | 100 | | 2.06 | 0.000 | 0.008 | 0.008 | 09/18/2020 | 13:46 |
| 3 | CAL3 | 0.025 | 1 | 100 | 100 | | 2.03 | 0.000 | 0.020 | 0.020 | 09/18/2020 | 13:47 |
| 4 | CAL4 | 0.05 | 1 | 100 | 100 | | 2.07 | 0.000 | 0.040 | 0.040 | 09/18/2020 | 13:48 |
| 5 | CAL5 | 0.1 | 1 | 100 | 100 | | 2.05 | 0.000 | 0.080 | 0.080 | 09/18/2020 | 13:49 |
| 6 | CAL6 | 0.5 | 1 | 100 | 100 | | 2.08 | 0.000 | 0.400 | 0.400 | 09/18/2020 | 13:50 |
| 7 | CAL7 | 1 | 1 | 100 | 100 | | 2.03 | 0.000 | 0.799 | 0.799 | 09/18/2020 | 13:51 |

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Parameter: Hexavalent Chromiu
SUPERVISOR REVIEW BY: apatel

Run Number: LB111049
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 | | Absorbance Difference | Result | Anal Date | Anal Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Backgrnd | Color | | | | |
| 1 | ICV | 0.5 | 1 | 100 | 100 | | 2.04 | 0.000 | 0.382 | 0.382 | 0.478 | 09/18/2020 | 13:52 |
| 2 | ICB | | 1 | 100 | 100 | | 2.06 | 0.000 | 0.000 | 0.000 | 0.000 | 09/18/2020 | 13:53 |
| 3 | CCV1 | 0.5 | 1 | 100 | 100 | | 2.03 | 0.000 | 0.377 | 0.377 | 0.472 | 09/18/2020 | 13:54 |
| 4 | CCB1 | | 1 | 100 | 100 | | 2.07 | 0.000 | 0.000 | 0.000 | 0.000 | 09/18/2020 | 13:55 |
| 5 | PB131733BL | | 1 | 2.52 | 100 | 7.04 | 2.05 | 0.000 | 0.000 | 0.000 | 0.000 | 09/18/2020 | 13:56 |
| 6 | PB131733BS | 20 | 1 | 2.51 | 100 | 7.06 | 2.08 | 0.000 | 0.351 | 0.351 | 0.439 | 09/18/2020 | 13:57 |
| 7 | L3870-06 | | 1 | 2.53 | 100 | 7.05 | 2.02 | 0.040 | 0.042 | 0.002 | 0.002 | 09/18/2020 | 13:58 |
| 8 | L3870-06DUP | | 1 | 2.52 | 100 | 7.05 | 2.03 | 0.039 | 0.041 | 0.002 | 0.002 | 09/18/2020 | 13:59 |
| 9 | L3870-06MSPre | 40 | 2 | 2.51 | 100 | 7.03 | 2.05 | 0.038 | 0.048 | 0.010 | 0.012 | 09/18/2020 | 14:00 |
| 10 | L3870-06MS2Ins | 1284 | 40 | 2.53 | 100 | 7.08 | 2.06 | 0.035 | 0.654 | 0.619 | 0.774 | 09/18/2020 | 14:01 |
| 11 | L3870-06MS3Post | 40 | 2 | 2.50 | 100 | 7.09 | 2.07 | 0.037 | 0.067 | 0.030 | 0.037 | 09/18/2020 | 14:02 |
| 12 | L3871-13 | | 1 | 2.51 | 100 | 7.07 | 2.09 | 0.038 | 0.040 | 0.002 | 0.002 | 09/18/2020 | 14:03 |
| 13 | L3871-19 | | 1 | 2.55 | 100 | 7.03 | 2.04 | 0.040 | 0.041 | 0.001 | 0.001 | 09/18/2020 | 14:04 |
| 14 | L3930-06 | | 1 | 2.56 | 100 | 7.05 | 2.06 | 0.043 | 0.045 | 0.002 | 0.002 | 09/18/2020 | 14:05 |
| 15 | CCV2 | 0.5 | 1 | 100 | 100 | | 2.07 | 0.000 | 0.382 | 0.382 | 0.478 | 09/18/2020 | 14:06 |
| 16 | CCB2 | | 1 | 100 | 100 | | 2.08 | 0.000 | 0.000 | 0.000 | 0.000 | 09/18/2020 | 14:07 |
| 17 | L4074-01 | | 1 | 2.55 | 100 | 7.04 | 2.05 | 0.027 | 0.028 | 0.001 | 0.001 | 09/18/2020 | 14:08 |
| 18 | L4074-02 | | 1 | 2.53 | 100 | 7.08 | 2.02 | 0.046 | 0.048 | 0.002 | 0.002 | 09/18/2020 | 14:09 |
| 19 | CCV3 | 0.5 | 1 | 100 | 100 | | 2.03 | 0.000 | 0.381 | 0.381 | 0.477 | 09/18/2020 | 14:10 |
| 20 | CCB3 | | 1 | 100 | 100 | | 2.01 | 0.000 | 0.000 | 0.000 | 0.000 | 09/18/2020 | 14:11 |