CHEMTECH

# Analytical Summary Report

Analysis Method: 7196A
ANALYST: Sohil
Parameter: Hexavalent Chromium
SUPERVISOR REVIEW BY: Iwona
Run Number: LB122696
pH Meter ID: WC pH Meter-1

| Reagent/Standard | Lot/Log # |
|---|---|
| Calibration Std. hexchrome 0.1 ppm | WP99704 |
| Calibration Std. hexchrome 0.05 ppm | WP99705 |
| calibration std. hexchrome 0.01 ppm | WP99706 |
| calibration std. hexchrome 0 ppm | WP99708 |
| hexavalent chromium color reagent | WP99678 |
| 5N sulfuric acid | WP96514 |
| HNO3 Hex-Chrome, 5M | WP96513 |
| Hexchrome Cleaning Solution | WP98731 |
| Calibration Std Hexachrome 0.025 ppm | WP99707 |
| Hexavalent Chromium ICV-LCS Std | WP99709 |
| Calibration and CCV std HexChrome 0.5PPM | WP99703 |
| Calibration std HexChrome 1.0PPM | WP99702 |

**Intercept:** -0.0014 **Slope:** 0.7801 **Regression:** 0.999986

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at 540nm | | Absorbance Difference | Result (mg/L) | %D | Anal Date | Anal Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Backgrnd | Color | | | | | |
| 1 | CAL1 | 0 | 1 | 100 | 100 | | 1.98 | 0.000 | 0.000 | 0.000 | 0.001 | | 10/31/2022 | 11:48 |
| 2 | CAL2 | 0.01 | 1 | 100 | 100 | | 2.05 | 0.000 | 0.006 | 0.006 | 0.009 | 10 | 10/31/2022 | 11:49 |
| 3 | CAL3 | 0.025 | 1 | 100 | 100 | | 1.86 | 0.000 | 0.017 | 0.017 | 0.023 | 8 | 10/31/2022 | 11:50 |
| 4 | CAL4 | 0.05 | 1 | 100 | 100 | | 1.96 | 0.000 | 0.038 | 0.038 | 0.050 | 0 | 10/31/2022 | 11:51 |
| 5 | CAL5 | 0.1 | 1 | 100 | 100 | | 2.10 | 0.000 | 0.078 | 0.078 | 0.101 | -1 | 10/31/2022 | 11:52 |
| 6 | CAL6 | 0.5 | 1 | 100 | 100 | | 2.15 | 0.000 | 0.386 | 0.386 | 0.496 | 0.8 | 10/31/2022 | 11:53 |
| 7 | CAL7 | 1 | 1 | 100 | 100 | | 1.98 | 0.000 | 0.780 | 0.780 | 1.001 | -0.1 | 10/31/2022 | 11:54 |

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Analysis Method: 7196A
ANALYST: Sohil

Parameter: Hexavalent Chromium
SUPERVISOR REVIEW BY: Iwona

Run Number: LB122696
pH Meter ID: WC pH Meter-1

| Seq | Lab ID | True Value | DF | Initial Vol (ml/gm) | Final Vol (ml) | pH HN03 | pH H2SO4 | Absorb.at540nm | | Absorbance Difference | Intermediate Result (mg/L) | Anal Date | Anal Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Backgrnd | Color | | | | |
| 1 | ICV | 0.5 | 1 | 100 | 100 | | 2.08 | 0.000 | 0.381 | 0.381 | 0.490 | 10/31/2022 | 11:55 |
| 2 | ICB | | 1 | 100 | 100 | | 1.86 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 11:56 |
| 3 | CCV1 | 0.5 | 1 | 100 | 100 | | 1.85 | 0.000 | 0.382 | 0.382 | 0.491 | 10/31/2022 | 11:57 |
| 4 | CCB1 | | 1 | 100 | 100 | | 1.96 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 11:58 |
| 5 | RL Check | 0.01 | 1 | 100 | 100 | | 2.04 | 0.000 | 0.007 | 0.007 | 0.011 | 10/31/2022 | 11:59 |
| 6 | LB122696BL | | 1 | 100 | 100 | | 1.82 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 12:01 |
| 7 | LB122696BS | 0.5 | 1 | 100 | 100 | | 1.84 | 0.000 | 0.402 | 0.402 | 0.517 | 10/31/2022 | 12:02 |
| 8 | N5360-10 | | 1 | 100 | 100 | | 2.03 | 0.001 | 0.001 | 0.000 | 0.002 | 10/31/2022 | 12:03 |
| 9 | N5360-10DU | | 1 | 100 | 100 | | 1.86 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 12:04 |
| 10 | N5360-10MS | 1 | 2 | 100 | 100 | | 1.96 | 0.000 | 0.385 | 0.385 | 0.495 | 10/31/2022 | 12:05 |
| 11 | N5360-10MS | 1 | 2 | 100 | 100 | | 2.02 | 0.000 | 0.386 | 0.386 | 0.497 | 10/31/2022 | 12:06 |
| 12 | N5360-11 | | 1 | 100 | 100 | | 1.78 | 0.001 | 0.001 | 0.000 | 0.002 | 10/31/2022 | 12:07 |
| 13 | N5360-12 | | 1 | 100 | 100 | | 1.76 | 0.002 | 0.002 | 0.000 | 0.002 | 10/31/2022 | 12:08 |
| 14 | N5360-13 | | 1 | 100 | 100 | | 2.06 | 0.001 | 0.001 | 0.000 | 0.002 | 10/31/2022 | 12:09 |
| 15 | N5360-14 | | 1 | 100 | 100 | | 2.00 | 0.002 | 0.002 | 0.000 | 0.002 | 10/31/2022 | 12:10 |
| 16 | CCV2 | 0.5 | 1 | 100 | 100 | | 1.96 | 0.000 | 0.386 | 0.386 | 0.497 | 10/31/2022 | 12:11 |
| 17 | CCB2 | | 1 | 100 | 100 | | 1.85 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 12:12 |
| 18 | N5360-15 | | 1 | 100 | 100 | | 2.04 | 0.001 | 0.001 | 0.000 | 0.002 | 10/31/2022 | 12:13 |
| 19 | N5360-16 | | 1 | 100 | 100 | | 1.96 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 12:14 |
| 20 | N5360-17 | | 1 | 100 | 100 | | 1.90 | 0.001 | 0.001 | 0.000 | 0.002 | 10/31/2022 | 12:15 |
| 21 | N5360-18 | | 1 | 100 | 100 | | 2.06 | 0.002 | 0.002 | 0.000 | 0.002 | 10/31/2022 | 12:16 |
| 22 | N5360-19 | | 1 | 100 | 100 | | 1.85 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 12:17 |
| 23 | CCV3 | 0.5 | 1 | 100 | 100 | | 2.02 | 0.000 | 0.384 | 0.384 | 0.494 | 10/31/2022 | 12:18 |
| 24 | CCB3 | | 1 | 100 | 100 | | 1.96 | 0.000 | 0.000 | 0.000 | 0.002 | 10/31/2022 | 12:19 |

# WORKLIST(Hardcopy Internal Chain)

LB122696

**WorkList Name :** Hex-7196-1031 **WorkList ID :** 164571 **Department :** Wet-Chemistry **Date :** 10-31-2022 11:14:33

| Due Date | Matrix | Sample | Test | Preservative | Customer | Raw Sample Storage Location | Customer Sample | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|---|
| 11/11/2022 | Water | N5360-10 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | 20221169-COMP-04-MODIFIED-ELUTRIATE | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-11 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | 20221171-COMP-06-MODIFIED-ELUTRIATE | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-12 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | 20221172-COMP-07-MODIFIED-ELUTRIATE | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-13 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | 20221175-COMP-10-MODIFIED-ELUTRIATE | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-14 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | 20221179-COMP-14-MODIFIED-ELUTRIATE | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-15 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | DISSOLVED-20221169-COMP-04-MODIFIED-ELUTI | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-16 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | DISSOLVED-20221171-COMP-06-MODIFIED-ELUTI | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-17 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | DISSOLVED-20221172-COMP-07-MODIFIED-ELUTI | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-18 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | DISSOLVED-20221175-COMP-10-MODIFIED-ELUTI | 10/27/2022 | 7196A |
| 11/11/2022 | Water | N5360-19 | Hexavalent Chromium | Ammonium sul | AQUA04 | F11 | DISSOLVED-20221179-COMP-14-MODIFIED-ELUTI | 10/27/2022 | 7196A |

**Date/Time** 10/31/22 11:15
**Raw Sample Received by:** SJ (WC)
**Raw Sample Relinquished by:** CP (SM)



**Date/Time** 10/31/22 14:00
**Raw Sample Received by:** CP (SM)
**Raw Sample Relinquished by:** SJ (WC)