

# Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB118123

pH Meter ID:

| Reagent/Standard                         | Lot/Log # |
|------------------------------------------|-----------|
| Calibration Std. hexchrome 0.1 ppm       | WP94681   |
| Calibration Std. hexchrome 0.05 ppm      | WP94682   |
| calibration std. hexchrome 0.01 ppm      | WP94683   |
| calibration std. hexchrome 0 ppm         | WP94686   |
| hexavalent chromium color reagent        | WP94677   |
| 5N sulfuric acid                         | WP93692   |
| HNO3 Hex-Chrome, 5M                      | WP93691   |
| Hexchrome Cleaning Solution              | WP92841   |
| Calibration Std Hexachrome 0.025 ppm     | WP94684   |
| Hexavalent Chromium ICV-LCS Std          | WP94685   |
| Calibration and CCV std HexChrome 0.5PPM | WP94680   |
| Calibration std HexChrome 1.0PPM         | WP94679   |

Intercept: 0.0004

Slope: 0.7841

Regression: 0.999992

| Seq | Lab ID | True Value (mg/l) | DF | Initial Vol (ml) | Final Vol (ml) | pH HNO3 | pH H2SO4 | Absorb.at 540nm |       | Absorbance Difference | Result (mg/L) | %D  | Anal Date  | Anal Time |
|-----|--------|-------------------|----|------------------|----------------|---------|----------|-----------------|-------|-----------------------|---------------|-----|------------|-----------|
|     |        |                   |    |                  |                |         |          | Backgrnd        | Color |                       |               |     |            |           |
| 1   | CAL1   | 0                 | 1  | 100              | 100            |         | 2.14     | 0.000           | 0.000 | 0.000                 | -0.00         |     | 01/08/2022 | 10:35     |
| 2   | CAL2   | 0.01              | 1  | 100              | 100            |         | 2.30     | 0.000           | 0.007 | 0.007                 | 0.008         | 20  | 01/08/2022 | 10:36     |
| 3   | CAL3   | 0.025             | 1  | 100              | 100            |         | 1.88     | 0.000           | 0.019 | 0.019                 | 0.023         | 8   | 01/08/2022 | 10:37     |
| 4   | CAL4   | 0.05              | 1  | 100              | 100            |         | 1.74     | 0.000           | 0.040 | 0.040                 | 0.050         | 0   | 01/08/2022 | 10:38     |
| 5   | CAL5   | 0.1               | 1  | 100              | 100            |         | 1.95     | 0.000           | 0.081 | 0.081                 | 0.102         | -2  | 01/08/2022 | 10:40     |
| 6   | CAL6   | 0.5               | 1  | 100              | 100            |         | 1.82     | 0.000           | 0.393 | 0.393                 | 0.500         | 0   | 01/08/2022 | 10:41     |
| 7   | CAL7   | 1                 | 1  | 100              | 100            |         | 2.08     | 0.000           | 0.784 | 0.784                 | 0.999         | 0.1 | 01/08/2022 | 10:42     |

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB118123

pH Meter ID:

| 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            |         | 2.15     | 0.000          | 0.390 | 0.390                 | 0.497                      | 01/08/2022 | 10:45     |
| 2   | ICB        |            | 1  | 100                 | 100            |         | 2.30     | 0.000          | 0.000 | 0.000                 | -0.001                     | 01/08/2022 | 10:46     |
| 3   | CCV1       | 0.5        | 1  | 100                 | 100            |         | 1.88     | 0.000          | 0.389 | 0.389                 | 0.496                      | 01/08/2022 | 10:48     |
| 4   | CCB1       |            | 1  | 100                 | 100            |         | 1.75     | 0.000          | 0.000 | 0.000                 | -0.001                     | 01/08/2022 | 10:50     |
| 5   | RL Check   | 0.01       | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.008 | 0.008                 | 0.010                      | 01/08/2022 | 10:51     |
| 6   | LB118123BL |            | 1  | 100                 | 100            |         | 2.08     | 0.000          | 0.000 | 0.000                 | -0.001                     | 01/08/2022 | 10:52     |
| 7   | LB118123BS | 0.5        | 1  | 100                 | 100            |         | 1.79     | 0.000          | 0.398 | 0.398                 | 0.507                      | 01/08/2022 | 10:55     |
| 8   | N1041-01   |            | 1  | 100                 | 100            |         | 1.95     | 0.002          | 0.002 | 0.000                 | -0.001                     | 01/08/2022 | 10:56     |
| 9   | N1041-01DU |            | 1  | 100                 | 100            |         | 1.82     | 0.001          | 0.001 | 0.000                 | -0.001                     | 01/08/2022 | 10:57     |
| 10  | N1041-01MS | 1          | 2  | 100                 | 100            |         | 2.09     | 0.001          | 0.394 | 0.393                 | 0.501                      | 01/08/2022 | 10:58     |
| 11  | N1041-01MS | 1          | 2  | 100                 | 100            |         | 1.78     | 0.002          | 0.395 | 0.393                 | 0.501                      | 01/08/2022 | 10:59     |
| 12  | N1047-05   |            | 1  | 100                 | 100            |         | 2.40     | 0.001          | 0.001 | 0.000                 | -0.001                     | 01/08/2022 | 11:00     |
| 13  | N1054-07   |            | 1  | 100                 | 100            |         | 2.36     | 0.004          | 0.004 | 0.000                 | -0.001                     | 01/08/2022 | 11:02     |
| 14  | N1054-08   |            | 1  | 100                 | 100            |         | 2.25     | 0.003          | 0.003 | 0.000                 | -0.001                     | 01/08/2022 | 11:03     |
| 15  | N1054-09   |            | 1  | 100                 | 100            |         | 2.19     | 0.005          | 0.005 | 0.000                 | -0.001                     | 01/08/2022 | 11:05     |
| 16  | CCV2       | 0.5        | 1  | 100                 | 100            |         | 1.78     | 0.000          | 0.391 | 0.391                 | 0.498                      | 01/08/2022 | 11:06     |
| 17  | CCB2       |            | 1  | 100                 | 100            |         | 1.95     | 0.000          | 0.000 | 0.000                 | -0.001                     | 01/08/2022 | 11:07     |
| 18  | N1054-10   |            | 1  | 100                 | 100            |         | 1.86     | 0.004          | 0.004 | 0.000                 | -0.001                     | 01/08/2022 | 11:08     |
| 19  | N1054-11   |            | 1  | 100                 | 100            |         | 2.06     | 0.007          | 0.007 | 0.000                 | -0.001                     | 01/08/2022 | 11:10     |
| 20  | N1054-13   |            | 1  | 100                 | 100            |         | 1.74     | 0.006          | 0.006 | 0.000                 | -0.001                     | 01/08/2022 | 11:12     |
| 21  | N1054-14   |            | 1  | 100                 | 100            |         | 1.93     | 0.005          | 0.005 | 0.000                 | -0.001                     | 01/08/2022 | 11:13     |
| 22  | N1054-15   |            | 1  | 100                 | 100            |         | 1.82     | 0.003          | 0.003 | 0.000                 | -0.001                     | 01/08/2022 | 11:15     |
| 23  | N1054-16   |            | 1  | 100                 | 100            |         | 2.34     | 0.002          | 0.002 | 0.000                 | -0.001                     | 01/08/2022 | 11:16     |
| 24  | N1054-17   |            | 1  | 100                 | 100            |         | 2.14     | 0.004          | 0.004 | 0.000                 | -0.001                     | 01/08/2022 | 11:17     |
| 25  | N1054-18   |            | 1  | 100                 | 100            |         | 2.28     | 0.002          | 0.002 | 0.000                 | -0.001                     | 01/08/2022 | 11:18     |
| 26  | N1071-04   |            | 1  | 100                 | 100            |         | 2.10     | 0.003          | 0.003 | 0.000                 | -0.001                     | 01/08/2022 | 11:19     |
| 27  | CCV3       | 0.5        | 1  | 100                 | 100            |         | 1.71     | 0.000          | 0.392 | 0.392                 | 0.499                      | 01/08/2022 | 11:20     |
| 28  | CCB3       |            | 1  | 100                 | 100            |         | 1.93     | 0.000          | 0.000 | 0.000                 | -0.001                     | 01/08/2022 | 11:20     |

# WORKLIST(Hardcopy Internal Chain)

LB118123

WorkList Name : hex1622-1      WorkList ID : 155778      Department : Wet-Chemistry      Date : 01-06-2022 10:24:39

| Due Date   | Matrix | Sample   | Test                | Preservative | Customer | Raw Sample Storage Location | Customer Sample      | Collect Date | Method |
|------------|--------|----------|---------------------|--------------|----------|-----------------------------|----------------------|--------------|--------|
| 01/12/2022 | Water  | N1041-01 | Hexavalent Chromium | Ammonium sul | ENV127   | D11                         | DEWATERING-EFFLUEN   | 01/05/2022   | 7196A  |
| 01/18/2022 | Water  | N1047-05 | Hexavalent Chromium | Ammonium sul | WEST10   | H11                         | FB-010522            | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-07 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220019-CAPE-1-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-08 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220019-CAPE-1-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-09 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220020-CAPE-2-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-10 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220020-CAPE-2-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-11 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220021-CAPE-3-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-13 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220022-CAPE-4-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-14 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220022-CAPE-4-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-15 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220023-CAPE-5-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-16 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220023-CAPE-5-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-17 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220024-CAPE-6-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1054-18 | Hexavalent Chromium | Ammonium sul | AQUA04   | I21                         | 20220024-CAPE-6-MODI | 01/05/2022   | 7196A  |
| 01/20/2022 | Water  | N1071-04 | Hexavalent Chromium | Ammonium sul | WEST10   | I21                         | FB-010622            | 01/06/2022   | 7196A  |

Date/Time 01/08/22 09:15  
 Raw Sample Received by: KS(wc)  
 Raw Sample Relinquished by: KS(wc)

Date/Time 01/08/22  
 Raw Sample Received by: KS(wc)  
 Raw Sample Relinquished by: KS(wc)