

# Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: Sohil

Run Number: LB127703

| Reagent/Standard                        | Lot/Log # |
|-----------------------------------------|-----------|
| COD ICV-LCS std, 50ppm                  | WP104201  |
| COD calibration std. 100 ppm            | WP104198  |
| COD calibration std. 10 ppm             | WP104196  |
| COD calibration std. 150 ppm            | WP104199  |
| COD calibration std. 50 ppm             | WP104197  |
| COD calibration std. 0 ppm              | WP104194  |
| COD Digestion Vials Low Level 0-150Mg/L | W3026     |
| COD ICV-LCS std, 50ppm                  | WP104612  |
| COD CCV std, 50ppm                      | WP104611  |
| COD LOD std, 5ppm                       | WP104613  |
| COD LOQ std, 10.0PPM                    | WP104614  |

|                   |                      |                 |
|-------------------|----------------------|-----------------|
| Temp In (C): 148  | Date In: 10/09/2023  | Time In: 14:45  |
| Temp Out (C): 151 | Date Out: 10/09/2023 | Time Out: 16:45 |

Intercept: 0.039

Slope: 0.9994

Regression: 0.9999

| Seq | Lab ID | TrueValue (mg/l) | DF | MATRIX | Reading | Result (mg/l) | %D    | Anal Date  | Anal Time |
|-----|--------|------------------|----|--------|---------|---------------|-------|------------|-----------|
| 1   | CAL1   | 0                | 1  | Water  | 0.000   | -0.039        |       | 09/15/2023 | 13:20     |
| 2   | CAL2   | 10               | 1  | Water  | 9.000   | 8.966         | -10.3 | 09/15/2023 | 13:20     |
| 3   | CAL3   | 50               | 1  | Water  | 51.000  | 50.992        | 2     | 09/15/2023 | 13:21     |
| 4   | CAL4   | 100              | 1  | Water  | 101.000 | 101.022       | 1     | 09/15/2023 | 13:21     |
| 5   | CAL5   | 150              | 1  | Water  | 149.000 | 149.05        | -0.6  | 09/15/2023 | 13:22     |



## Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: Sohil

Run Number: LB127703

| Seq | Lab ID      | True Value (mg/l) | Initial Weight (g) | Final Vol (ml) | DF | MATRIX | Reading | Result  | AnalDate   | AnalTime |
|-----|-------------|-------------------|--------------------|----------------|----|--------|---------|---------|------------|----------|
| 1   | ICV         | 50                | NA                 | NA             | 1  | Water  | 51.000  | 50.992  | 09/15/2023 | 13:22    |
| 2   | ICB         |                   | NA                 | NA             | 1  | Water  | 0.000   | -0.039  | 09/15/2023 | 13:23    |
| 3   | CCV1        | 50                | NA                 | NA             | 1  | Water  | 50.000  | 49.991  | 10/10/2023 | 09:25    |
| 4   | CCB1        |                   | NA                 | NA             | 1  | Water  | 0.000   | -0.039  | 10/10/2023 | 09:25    |
| 5   | LB127703BL  |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/10/2023 | 09:26    |
| 6   | LB127703BS  | 50                | NA                 | NA             | 1  | Water  | 50.000  | 49.991  | 10/10/2023 | 09:26    |
| 7   | O4632-01    |                   | NA                 | NA             | 10 | Water  | 52.000  | 51.992  | 10/10/2023 | 09:27    |
| 8   | O4634-01    |                   | NA                 | NA             | 10 | Water  | 29.000  | 28.978  | 10/10/2023 | 09:27    |
| 9   | O4663-01    |                   | NA                 | NA             | 1  | Water  | 36.000  | 35.983  | 10/10/2023 | 09:28    |
| 10  | O4663-01DUP |                   | NA                 | NA             | 1  | Water  | 37.000  | 36.983  | 10/10/2023 | 09:28    |
| 11  | O4663-01MS  | 50                | NA                 | NA             | 1  | Water  | 84.000  | 84.011  | 10/10/2023 | 09:29    |
| 12  | O4663-01MSD | 50                | NA                 | NA             | 1  | Water  | 85.000  | 85.012  | 10/10/2023 | 09:29    |
| 13  | O4663-02    |                   | NA                 | NA             | 1  | Water  | 6.000   | 5.965   | 10/10/2023 | 09:30    |
| 14  | O4663-03    |                   | NA                 | NA             | 1  | Water  | 15.000  | 14.970  | 10/10/2023 | 09:30    |
| 15  | CCV2        | 50                | NA                 | NA             | 1  | Water  | 49.000  | 48.990  | 10/10/2023 | 09:31    |
| 16  | CCB2        |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/10/2023 | 09:31    |
| 17  | O4663-04    |                   | NA                 | NA             | 1  | Water  | 10.000  | 9.967   | 10/10/2023 | 09:32    |
| 18  | O4699-07    |                   | NA                 | NA             | 1  | Water  | 6.000   | 5.965   | 10/10/2023 | 09:32    |
| 19  | O4699-08    |                   | NA                 | NA             | 1  | Water  | 10.000  | 9.967   | 10/10/2023 | 09:33    |
| 20  | O4715-07    |                   | NA                 | NA             | 1  | Water  | 114.000 | 114.029 | 10/10/2023 | 09:33    |
| 21  | O4751-01    |                   | NA                 | NA             | 1  | Water  | 52.000  | 51.992  | 10/10/2023 | 09:34    |
| 22  | O4751-03    |                   | NA                 | NA             | 1  | Water  | 121.000 | 121.034 | 10/10/2023 | 09:34    |
| 23  | O4751-04    |                   | NA                 | NA             | 1  | Water  | 129.000 | 129.038 | 10/10/2023 | 09:35    |
| 24  | O4751-05    |                   | NA                 | NA             | 1  | Water  | 36.000  | 35.983  | 10/10/2023 | 09:35    |
| 25  | O4778-10    |                   | NA                 | NA             | 1  | Water  | 39.000  | 38.984  | 10/10/2023 | 09:36    |
| 26  | CCV3        | 50                | NA                 | NA             | 1  | Water  | 51.000  | 50.992  | 10/10/2023 | 09:36    |
| 27  | CCB3        |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/10/2023 | 09:37    |

# WORKLIST(Hardcopy Internal Chain)

L13127703

WorkList Name : COD-100323-2

WorkList ID : 174211

Department : Wet-Chemistry

Date : 10-03-2023 14:08:23

| Sample   | Customer Sample          | Matrix | Test | Preservative         | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|--------------------------|--------|------|----------------------|----------|-----------------------------|--------------|----------|
| O4632-01 | BI-WEEKLY-INFLUENT       | Water  | COD  | Conc H2SO4 to pH < 2 | INFR01   | N11                         | 09/27/2023   | SM5220 D |
| O4634-01 | BI-WEEKLY-DECANT         | Water  | COD  | Conc H2SO4 to pH < 2 | INFR01   | --Sele                      | 09/27/2023   | SM5220 D |
| O4663-01 | MW-20S                   | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | E31                         | 09/27/2023   | SM5220 D |
| O4663-02 | MW-48S                   | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | E31                         | 09/27/2023   | SM5220 D |
| O4663-03 | MW-47S                   | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | E31                         | 09/27/2023   | SM5220 D |
| O4663-04 | MW-47I                   | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | E31                         | 09/27/2023   | SM5220 D |
| O4699-07 | LOD-MDL-WATER-01-QT4-202 | Water  | COD  | Conc H2SO4 to pH < 2 | CHEM02   | QA Of                       | 10/02/2023   | SM5220 D |
| O4699-08 | LOQ-WATER-02-QT4-2023    | Water  | COD  | Conc H2SO4 to pH < 2 | CHEM02   | QA Of                       | 10/02/2023   | SM5220 D |
| O4715-07 | 5C                       | Water  | COD  | Conc H2SO4 to pH < 2 | M&MM01   | E41                         | 10/03/2023   | SM5220 D |
| O4778-10 | NBS-GROUNDWATER          | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG03   | H11                         | 10/05/2023   | SM5220 D |
| O4751-01 | DSN002                   | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D22                         | 10/04/2023   | SM5220 D |
| O4751-03 | DSN001                   | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D22                         | 10/04/2023   | SM5220 D |
| O4751-04 | DSN001                   | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D22                         | 10/04/2023   | SM5220 D |
| O4751-05 | DSN003                   | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D22                         | 10/04/2023   | SM5220 D |

Date/Time 10/08/23 14:00  
 Raw Sample Received by: 12/51  
 Raw Sample Relinquished by: 12/51

Date/Time 10/08/23 15:10  
 Raw Sample Received by: 12/51  
 Raw Sample Relinquished by: 12/51