

## Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: JIGNESH

Run Number: LB137109

| Reagent/Standard                        | Lot/Log # |
|-----------------------------------------|-----------|
| COD calibration std. 150 ppm            | WP114659  |
| COD calibration std. 100 ppm            | WP114658  |
| COD calibration std. 50 ppm             | WP114656  |
| COD calibration std. 10 ppm             | WP114655  |
| COD calibration std. 0 ppm              | WP114654  |
| COD CCV std, 50ppm                      | WP114660  |
| COD ICV-LCS std, 50ppm                  | WP114661  |
| COD LOD std, 5ppm                       | WP114663  |
| COD calibration std. 75 ppm             | WP114657  |
| RL CHECK                                | WP114662  |
| COD Digestion Vials Low Level 0-150Mg/L | W3229     |

|                  |                      |                 |
|------------------|----------------------|-----------------|
| Temp In(C): 148  | Date In: 09/08/2025  | Time In: 10:05  |
| Temp Out(C): 151 | Date Out: 09/08/2025 | Time Out: 12:05 |

Intercept: 0.3943

Slope: 0.9887

Regression: 0.9996

| Seq | Lab ID | TrueValue (mg/l) | DF | MATRIX | Reading | Result (mg/l) | %D   | Anal Date  | Anal Time |
|-----|--------|------------------|----|--------|---------|---------------|------|------------|-----------|
| 1   | CAL1   | 0                | 1  | Water  | 0.000   | -0.399        |      | 09/08/2025 | 13:30     |
| 2   | CAL2   | 10               | 1  | Water  | 9.000   | 8.704         | -13  | 09/08/2025 | 13:30     |
| 3   | CAL3   | 50               | 1  | Water  | 51.000  | 51.184        | 2.4  | 09/08/2025 | 13:31     |
| 4   | CAL4   | 75               | 1  | Water  | 77.000  | 77.481        | 3.3  | 09/08/2025 | 13:31     |
| 5   | CAL5   | 100              | 1  | Water  | 98.000  | 98.721        | -1.3 | 09/08/2025 | 13:32     |
| 6   | CAL6   | 150              | 1  | Water  | 148.000 | 149.293       | -0.5 | 09/08/2025 | 13:32     |

## Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: JIGNESH

Run Number: LB137109

| 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  | 50.000  | 50.173  | 09/08/2025 | 13:33    |
| 2   | ICB         |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.613   | 09/08/2025 | 13:33    |
| 3   | CCV1        | 50                | NA                 | NA             | 1  | Water  | 48.000  | 48.150  | 09/08/2025 | 13:34    |
| 4   | CCB1        |                   | NA                 | NA             | 1  | Water  | 0.000   | -0.399  | 09/08/2025 | 13:34    |
| 5   | RL Check    | 10                | NA                 | NA             | 1  | Water  | 10.000  | 9.715   | 09/08/2025 | 13:35    |
| 6   | LB137109BL  |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.613   | 09/08/2025 | 13:35    |
| 7   | LB137109BS  | 50                | NA                 | NA             | 1  | Water  | 51.000  | 51.184  | 09/08/2025 | 13:36    |
| 8   | Q2893-09    |                   | NA                 | NA             | 1  | Water  | 5.000   | 4.658   | 09/08/2025 | 13:36    |
| 9   | Q3020-01    |                   | NA                 | NA             | 1  | Water  | 61.000  | 61.298  | 09/08/2025 | 13:37    |
| 10  | Q3020-01DUP |                   | NA                 | NA             | 1  | Water  | 60.000  | 60.287  | 09/08/2025 | 13:37    |
| 11  | Q3020-01MS  | 50                | NA                 | NA             | 1  | Water  | 105.000 | 105.801 | 09/08/2025 | 13:38    |
| 12  | Q3020-01MSD | 50                | NA                 | NA             | 1  | Water  | 106.000 | 106.813 | 09/08/2025 | 13:38    |
| 13  | Q3022-01    |                   | NA                 | NA             | 1  | Water  | 35.000  | 35.001  | 09/08/2025 | 13:39    |
| 14  | Q3025-01    |                   | NA                 | NA             | 1  | Water  | 43.000  | 43.093  | 09/08/2025 | 13:39    |
| 15  | Q3025-03    |                   | NA                 | NA             | 1  | Water  | 81.000  | 81.527  | 09/08/2025 | 13:40    |
| 16  | CCV2        | 50                | NA                 | NA             | 1  | Water  | 51.000  | 51.184  | 09/08/2025 | 13:40    |
| 17  | CCB2        |                   | NA                 | NA             | 1  | Water  | 0.000   | -0.399  | 09/08/2025 | 13:41    |
| 18  | Q3025-04    |                   | NA                 | NA             | 1  | Water  | 77.000  | 77.481  | 09/08/2025 | 13:41    |
| 19  | Q3025-05    |                   | NA                 | NA             | 1  | Water  | 27.000  | 26.910  | 09/08/2025 | 13:42    |
| 20  | CCV3        | 50                | NA                 | NA             | 1  | Water  | 50.000  | 50.173  | 09/08/2025 | 13:42    |
| 21  | CCB3        |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.613   | 09/08/2025 | 13:43    |

# WORKLIST(Hardcopy Internal Chain)

LB 137109

WorkList Name : COD-090825      WorkList ID : 191732      Department : Wet-Chemistry      Date : 09-08-2025 09:22:39

| Sample   | Customer Sample         | Matrix | Test | Preservative         | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|-------------------------|--------|------|----------------------|----------|-----------------------------|--------------|----------|
| Q2893-09 | MDL-WATER-03-QT3-2025   | Water  | COD  | NONE                 | ALLI03   | QA Of                       | 08/18/2025   | SM5220 D |
| Q3020-01 | WATER-TREATMENT DISCHAI | Water  | COD  | Conc H2SO4 to pH < 2 | VERI01   | J11                         | 09/04/2025   | SM5220 D |
| Q3022-01 | 1413                    | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG03   | D31                         | 09/04/2025   | SM5220 D |
| Q3025-01 | DSN002                  | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D31                         | 09/04/2025   | SM5220 D |
| Q3025-03 | DSN001                  | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D31                         | 09/04/2025   | SM5220 D |
| Q3025-04 | DSN001                  | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D31                         | 09/04/2025   | SM5220 D |
| Q3025-05 | DSN003                  | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D31                         | 09/04/2025   | SM5220 D |

Date/Time 09/08/25 09:30  
 Raw Sample Received by: 12 (sc)  
 Raw Sample Relinquished by: 20 (sc)

Date/Time 09/08/25 10:20  
 Raw Sample Received by: 20 (sc)  
 Raw Sample Relinquished by: 12 (sc)