



## Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: Sohil

Run Number: LB127921

| 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                  | WP104744  |
| COD CCV std, 50ppm                      | WP104743  |

|                   |                      |                 |
|-------------------|----------------------|-----------------|
| Temp In (C): 148  | Date In: 10/20/2023  | Time In: 09:35  |
| Temp Out (C): 151 | Date Out: 10/20/2023 | Time Out: 11:35 |

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     |

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: Sohil

Run Number: LB127921

| 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  | 51.000  | 50.992  | 10/20/2023 | 13:40    |
| 4   | CCB1        |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/20/2023 | 13:40    |
| 5   | LB127921BL  |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/20/2023 | 13:41    |
| 6   | LB127921BS  | 50                | NA                 | NA             | 1  | Water  | 50.000  | 49.991  | 10/20/2023 | 13:41    |
| 7   | O4909-01    |                   | NA                 | NA             | 10 | Water  | 48.000  | 47.990  | 10/20/2023 | 13:42    |
| 8   | O4911-01    |                   | NA                 | NA             | 20 | Water  | 138.000 | 138.044 | 10/20/2023 | 13:42    |
| 9   | O4911-02    |                   | NA                 | NA             | 1  | Water  | 63.000  | 62.999  | 10/20/2023 | 13:43    |
| 10  | O4957-01    |                   | NA                 | NA             | 1  | Water  | 16.000  | 15.971  | 10/20/2023 | 13:43    |
| 11  | O4957-02    |                   | NA                 | NA             | 1  | Water  | 10.000  | 9.967   | 10/20/2023 | 13:44    |
| 12  | O4957-03    |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/20/2023 | 13:44    |
| 13  | O4957-04    |                   | NA                 | NA             | 1  | Water  | 13.000  | 12.969  | 10/20/2023 | 13:45    |
| 14  | O4957-04DUP |                   | NA                 | NA             | 1  | Water  | 12.000  | 11.968  | 10/20/2023 | 13:45    |
| 15  | CCV2        | 50                | NA                 | NA             | 1  | Water  | 49.000  | 48.990  | 10/20/2023 | 13:46    |
| 16  | CCB2        |                   | NA                 | NA             | 1  | Water  | 1.000   | 0.962   | 10/20/2023 | 13:46    |
| 17  | O4957-04MS  | 50                | NA                 | NA             | 1  | Water  | 59.000  | 58.996  | 10/20/2023 | 13:47    |
| 18  | O4957-04MSD | 50                | NA                 | NA             | 1  | Water  | 59.000  | 58.996  | 10/20/2023 | 13:47    |
| 19  | CCV3        | 50                | NA                 | NA             | 1  | Water  | 51.000  | 50.992  | 10/20/2023 | 13:48    |
| 20  | CCB3        |                   | NA                 | NA             | 1  | Water  | 0.000   | -0.039  | 10/20/2023 | 13:48    |

LB127921

## WORKLIST(Hardcopy Internal Chain)

WorkList Name : COD-102023

WorkList ID : 174796

Department : Wet-Chemistry

Date : 10-20-2023 08:56:04

| Sample   | Customer Sample | Matrix | Test | Preservative         | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|-----------------|--------|------|----------------------|----------|-----------------------------|--------------|----------|
| O4909-01 | LCOL-12         | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | I11                         | 10/13/2023   | SM5220 D |
| O4911-01 | LCOL-11         | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | I41                         | 10/13/2023   | SM5220 D |
| O4911-02 | LDET-12         | Water  | COD  | Conc H2SO4 to pH < 2 | LOCK01   | I41                         | 10/13/2023   | SM5220 D |
| O4957-01 | MH-E            | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG03   | D31                         | 10/18/2023   | SM5220 D |
| O4957-02 | MH-F            | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG03   | D31                         | 10/18/2023   | SM5220 D |
| O4957-03 | MH-G            | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG03   | D31                         | 10/18/2023   | SM5220 D |
| O4957-04 | MH-H            | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG03   | D31                         | 10/18/2023   | SM5220 D |

Date/Time 10/20/23 09:05  
Raw Sample Received by: 12(05)  
Raw Sample Relinquished by: 12(05)

Date/Time 10/20/23 09:50  
Raw Sample Received by: 12(05)  
Raw Sample Relinquished by: 12(05)