

## Analytical Summary Report

Analysis Method: SM5220 D  
 Parameter: COD  
 Run Number: LB131539

ANALYST: Niha

SUPERVISOR REVIEW BY: Iwona

| Reagent/Standard                        | Lot/Log # |
|-----------------------------------------|-----------|
| COD Digestion Vials Low Level 0-150Mg/L | W3068     |
| COD ICV-LCS std, 50ppm                  | WP108671  |
| COD calibration std. 100 ppm            | WP108668  |
| COD calibration std. 10 ppm             | WP108666  |
| COD calibration std. 150 ppm            | WP108669  |
| COD calibration std. 50 ppm             | WP108667  |
| COD calibration std. 0 ppm              | WP108665  |
| COD CCV std, 50ppm                      | WP108670  |

|                          |                             |                        |
|--------------------------|-----------------------------|------------------------|
| Temp In (C): <u>148</u>  | Date In: <u>07/09/2024</u>  | Time In: <u>10:00</u>  |
| Temp Out (C): <u>150</u> | Date Out: <u>07/09/2024</u> | Time Out: <u>12:00</u> |

Intercept: -0.1322

Slope: 1.0183

Regression: 1

| Seq | Lab ID | TrueValue (mg/l) | DF | MATRIX | Reading | Result (mg/l) | %D   | Anal Date  | Anal Time |
|-----|--------|------------------|----|--------|---------|---------------|------|------------|-----------|
| 1   | CAL1   | 0                | 1  | Water  | 0.000   | 0.13          |      | 07/09/2024 | 14:20     |
| 2   | CAL2   | 10               | 1  | Water  | 10.000  | 9.95          | -0.5 | 07/09/2024 | 14:20     |
| 3   | CAL3   | 50               | 1  | Water  | 51.000  | 50.213        | 0.4  | 07/09/2024 | 14:21     |
| 4   | CAL4   | 100              | 1  | Water  | 101.000 | 99.315        | -0.7 | 07/09/2024 | 14:21     |
| 5   | CAL5   | 150              | 1  | Water  | 153.000 | 150.38        | 0.3  | 07/09/2024 | 14:22     |

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Run Number: LB131539

| 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  | 49.231  | 07/09/2024 | 14:22    |
| 2   | ICB         |                   | NA                 | NA             | 1  | Water  | 0.000   | 0.130   | 07/09/2024 | 14:23    |
| 3   | CCV1        | 50                | NA                 | NA             | 1  | Water  | 51.000  | 50.213  | 07/09/2024 | 14:23    |
| 4   | CCB1        |                   | NA                 | NA             | 1  | Water  | 0.000   | 0.130   | 07/09/2024 | 14:24    |
| 5   | LB131539BL  |                   | NA                 | NA             | 1  | Water  | 1.000   | 1.112   | 07/09/2024 | 14:24    |
| 6   | LB131539BS  | 50                | NA                 | NA             | 1  | Water  | 51.000  | 50.213  | 07/09/2024 | 14:25    |
| 7   | P3162-01    |                   | NA                 | NA             | 1  | Water  | 36.000  | 35.483  | 07/09/2024 | 14:25    |
| 8   | P3162-01DUP |                   | NA                 | NA             | 1  | Water  | 35.000  | 34.501  | 07/09/2024 | 14:26    |
| 9   | P3162-01MS  | 50                | NA                 | NA             | 1  | Water  | 84.000  | 82.620  | 07/09/2024 | 14:26    |
| 10  | P3162-01MSD | 50                | NA                 | NA             | 1  | Water  | 83.000  | 81.638  | 07/09/2024 | 14:27    |
| 11  | P3162-03    |                   | NA                 | NA             | 1  | Water  | 88.000  | 86.548  | 07/09/2024 | 14:27    |
| 12  | P3162-04    |                   | NA                 | NA             | 1  | Water  | 94.000  | 92.441  | 07/09/2024 | 14:28    |
| 13  | P3162-05    |                   | NA                 | NA             | 1  | Water  | 29.000  | 28.609  | 07/09/2024 | 14:28    |
| 14  | P3175-01    |                   | NA                 | NA             | 1  | Water  | 118.000 | 116.009 | 07/09/2024 | 14:29    |
| 15  | CCV2        | 50                | NA                 | NA             | 1  | Water  | 51.000  | 50.213  | 07/09/2024 | 14:29    |
| 16  | CCB2        |                   | NA                 | NA             | 1  | Water  | 1.000   | 1.112   | 07/09/2024 | 14:30    |

LB131539

WORKLIST(Hardcopy Internal Chain)

WorkList Name : COD-07082024      WorkList ID : 181681      Department : Wet-Chemistry      Date : 07-08-2024 09:35:06

| Sample   | Customer Sample      | Matrix | Test | Preservative         | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|----------------------|--------|------|----------------------|----------|-----------------------------|--------------|----------|
| P3162-01 | DSN002               | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D11                         | 07/03/2024   | SM5220 D |
| P3162-03 | DSN001               | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D11                         | 07/03/2024   | SM5220 D |
| P3162-04 | DSN001               | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D11                         | 07/03/2024   | SM5220 D |
| P3162-05 | DSN003               | Water  | COD  | Conc H2SO4 to pH < 2 | PSEG04   | D11                         | 07/03/2024   | SM5220 D |
| P3175-01 | 1-EFFLUENT-COMPOSITE | Water  | COD  | Conc H2SO4 to pH < 2 | M&MM01   | N21                         | 07/09/2024   | SM5220 D |

Date/Time 07.09.2024, 9:45  
Raw Sample Received by: NF(WC)  
Raw Sample Relinquished by: NF(WC)

Date/Time 07.09.2024, 11:00  
Raw Sample Received by: NF(WC)  
Raw Sample Relinquished by: NF(WC)