

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB136443

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W3105     |
| IODINE SOLUTION .025N 1L           | W3213     |
| Starch Solution, 4L                | W3149     |

| Seq | Lab ID      | True Value (mg/l) | DF | Initial Weight (g) | Final Volume (ml) | T1 (ml) | T2 Initial | T2 Final | T2 Diff. (ml) | T1 - T2 Diff (mL) | Value Corrected With Blank | Result (ppm) | Anal Date  | Anal Time |
|-----|-------------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 1   | PB168800BL  |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.94     | 1.94          | 0.06              | 0.00                       | 0.00         | 07/11/2025 | 15:00     |
| 2   | Q2519-04    |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 07/11/2025 | 15:03     |
| 3   | Q2519-04DUP |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 07/11/2025 | 15:06     |
| 4   | Q2523-01    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.36         | 07/11/2025 | 15:09     |
| 5   | Q2526-05    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.18         | 07/11/2025 | 15:12     |
| 6   | Q2526-06    |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.31         | 07/11/2025 | 15:14     |
| 7   | Q2556-01    |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.79         | 07/11/2025 | 15:17     |
| 8   | Q2565-02    |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 07/11/2025 | 15:20     |
| 9   | Q2565-03    |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 07/11/2025 | 15:22     |
| 10  | Q2565-04    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.37         | 07/11/2025 | 15:24     |
| 11  | Q2565-05    |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.74         | 07/11/2025 | 15:27     |
| 12  | Q2571-04    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.19         | 07/11/2025 | 15:30     |

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 \* Normality1) - ((T1 - Value Corrected With Blank) \* Normality2)) \* Constant / Initial Volume

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| Reagent/Standard                   | Lot/Log # |
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| SODIUM THIOSULFATE, 0.025N, 4LITRE | W3105     |
| IODINE SOLUTION .025N 1L           | W3213     |
| Starch Solution, 4L                | W3149     |

| Seq | Lab ID   | True Value (mg/l) | DF | Initial Weight (g) | Final Volume (ml) | T1 (ml) | T2 Initial | T2 Final | T2 Diff. (ml) | T1 - T2 Diff (mL) | Value Corrected With Blank | Result (ppm) | Anal Date  | Anal Time |
|-----|----------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 13  | Q2571-08 |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.79         | 07/11/2025 | 15:32     |
| 14  | Q2578-03 |                   | 1  | 5.08               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.30         | 07/11/2025 | 15:34     |
| 15  | Q2578-07 |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.39         | 07/11/2025 | 15:36     |
| 16  | Q2578-11 |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.34         | 07/11/2025 | 15:39     |
| 17  | Q2578-15 |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 07/11/2025 | 15:42     |
| 18  | Q2578-19 |                   | 1  | 5.06               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 07/11/2025 | 15:45     |
| 19  | Q2579-03 |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.36         | 07/11/2025 | 15:47     |
| 20  | Q2579-07 |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.75         | 07/11/2025 | 15:49     |

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 \* Normality1) - ((T1 - Value Corrected With Blank) \* Normality2)) \* Constant / Initial Volume